

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



08/ 943,238

FIG. 1

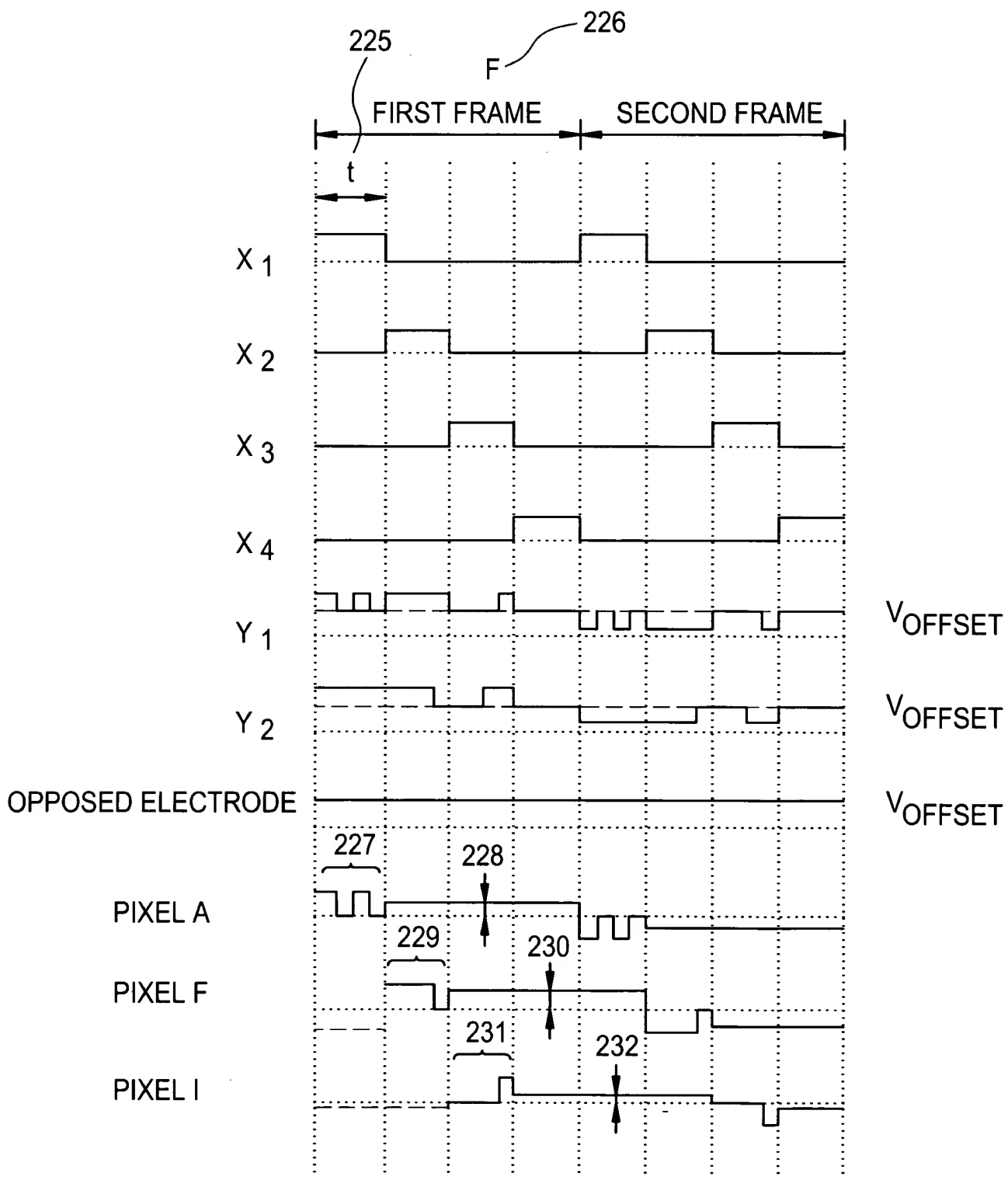


FIG. 2

PRIOR ART

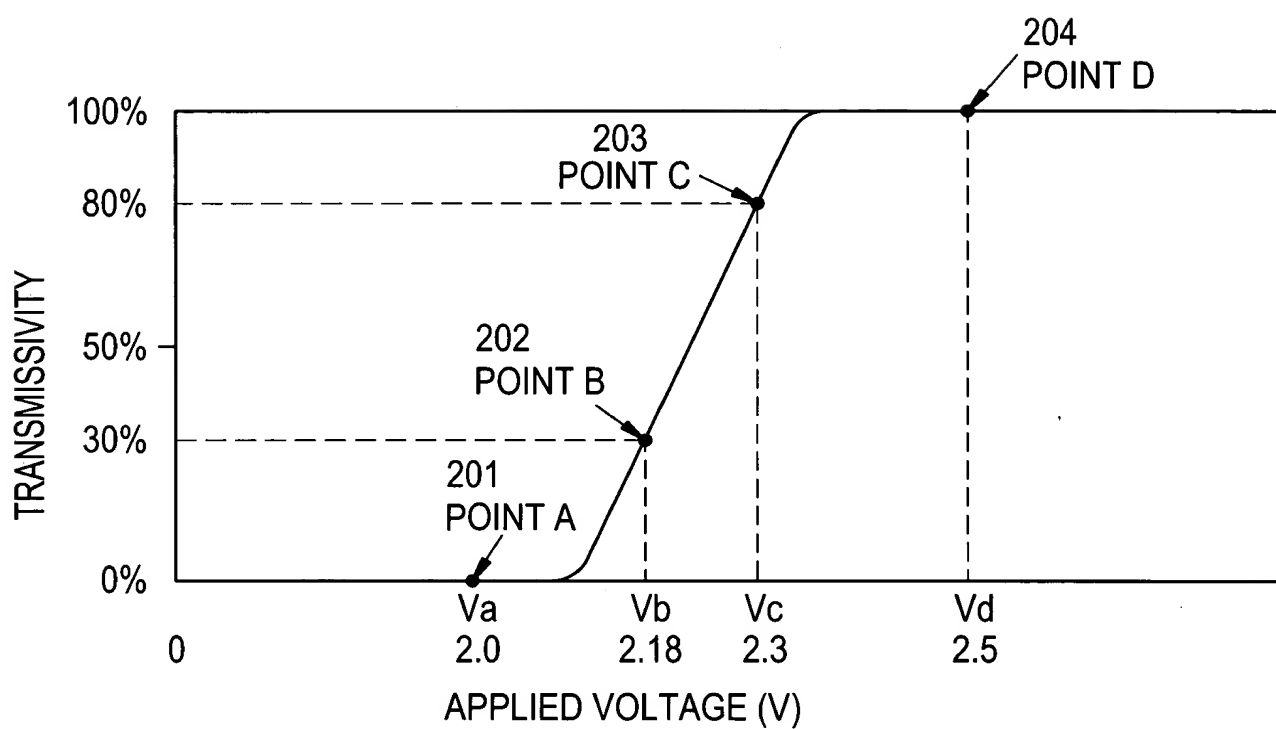
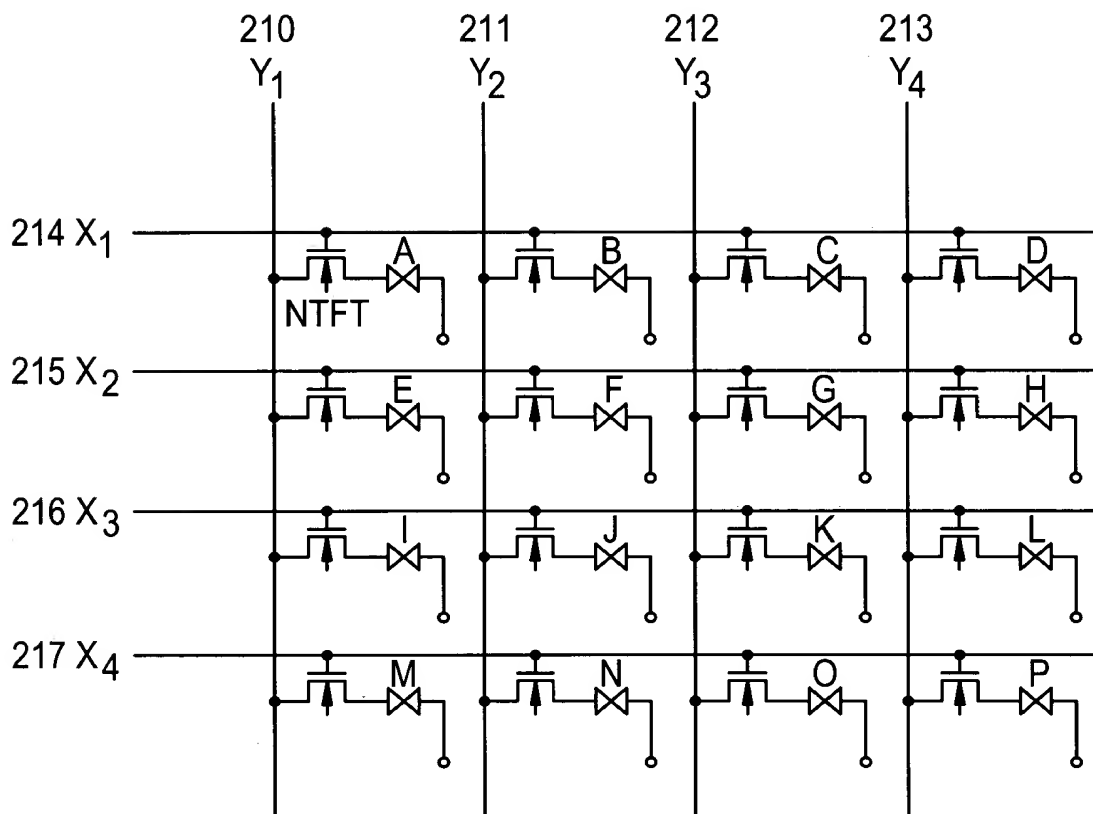


FIG. 3





08/943,238

FIG. 4

F

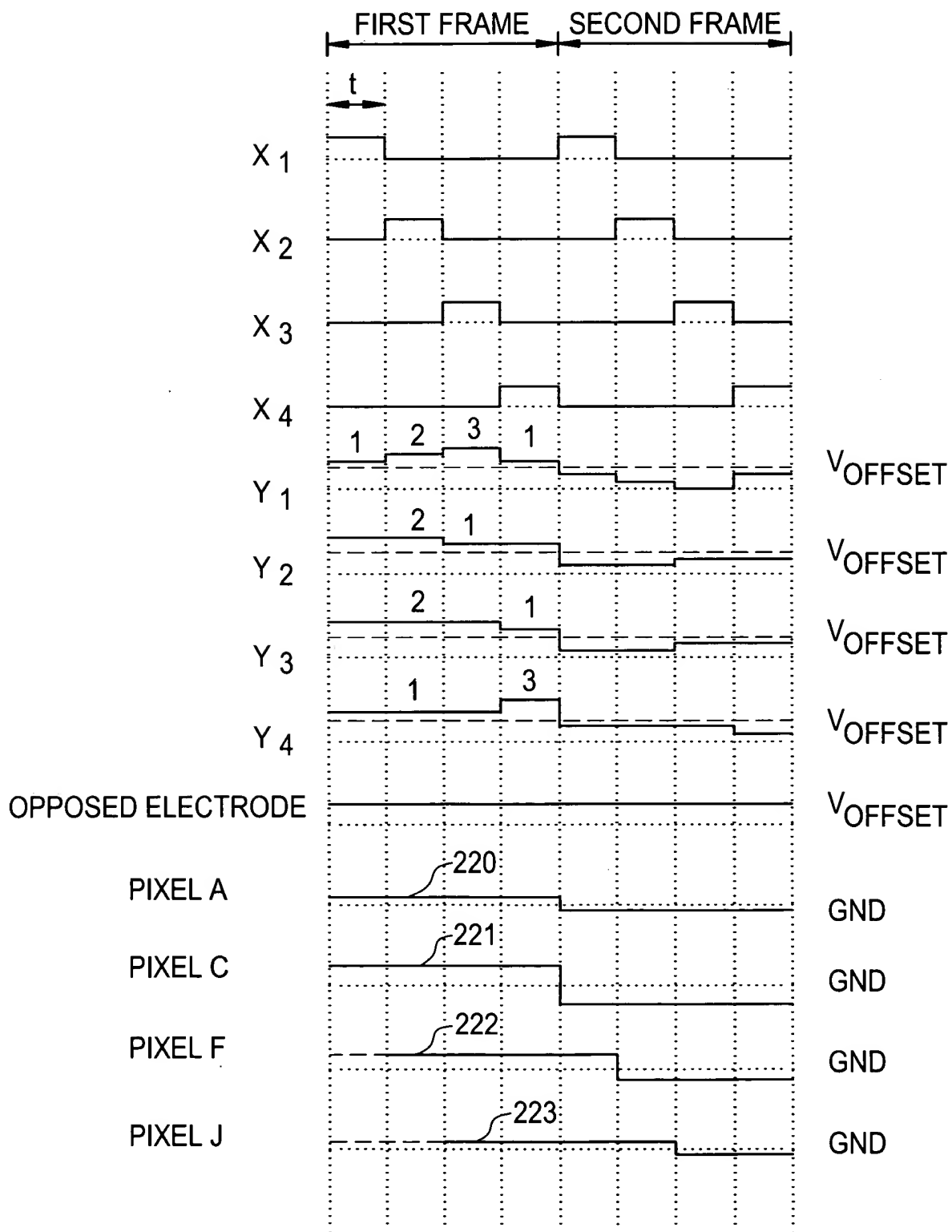




FIG. 5

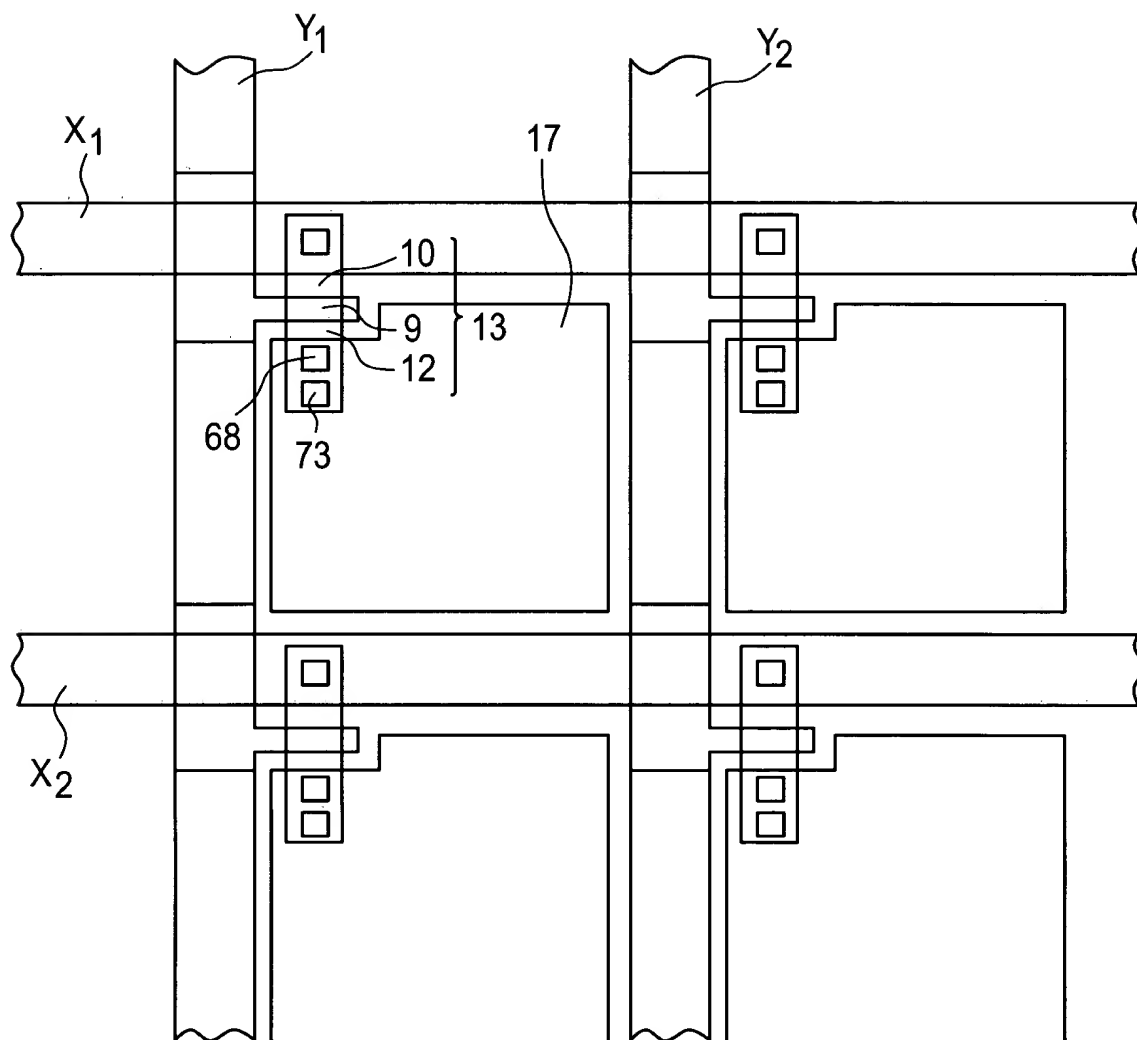




FIG. 6A

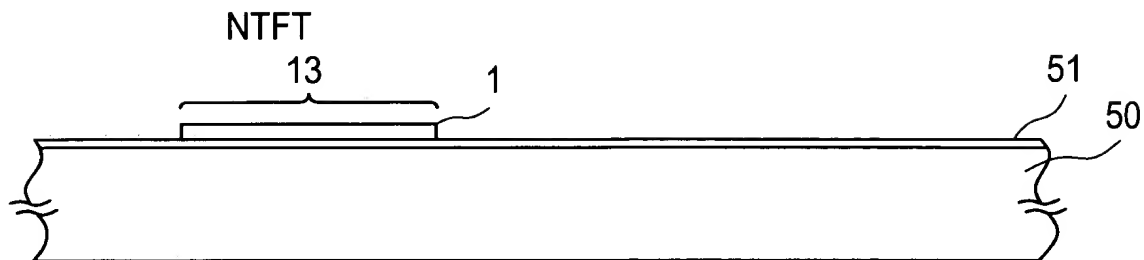


FIG. 6B

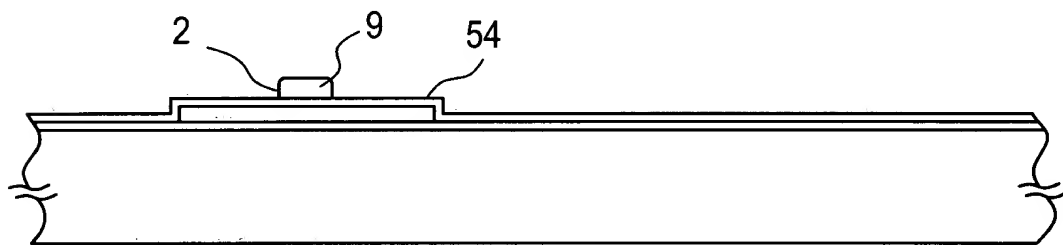


FIG. 6C

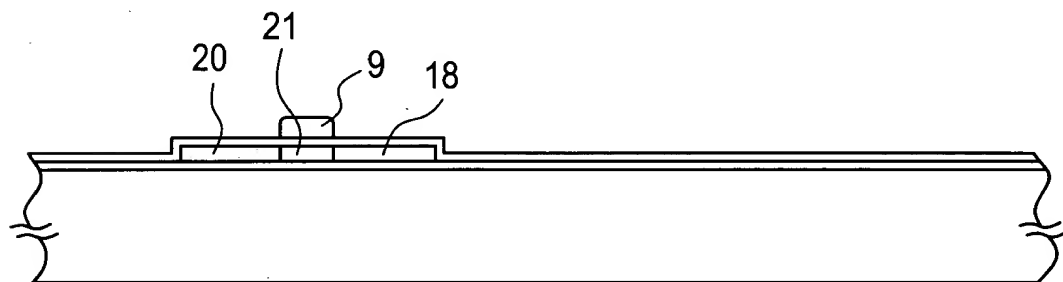


FIG. 6D

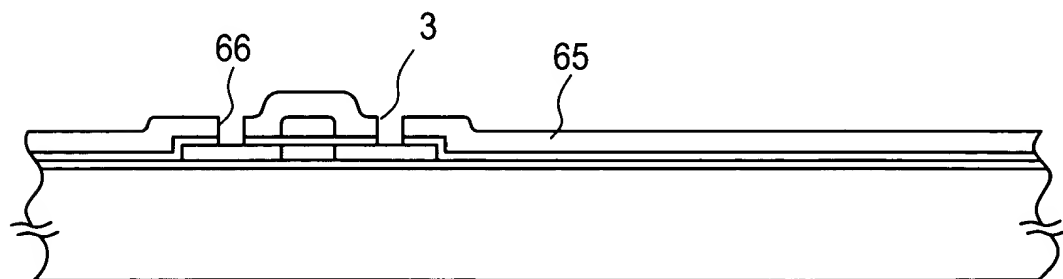


FIG. 6E

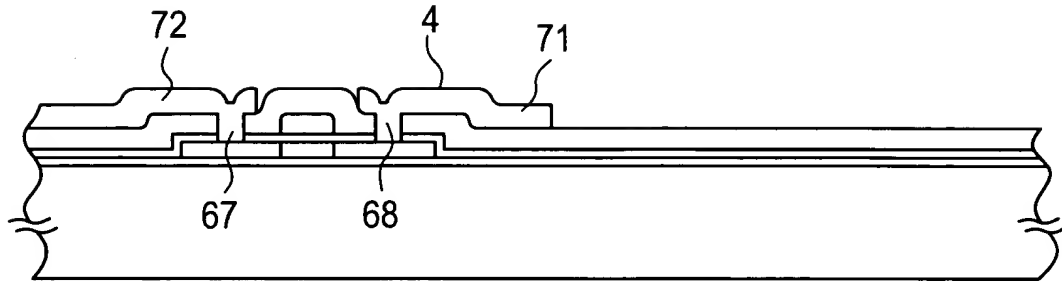


FIG. 6F

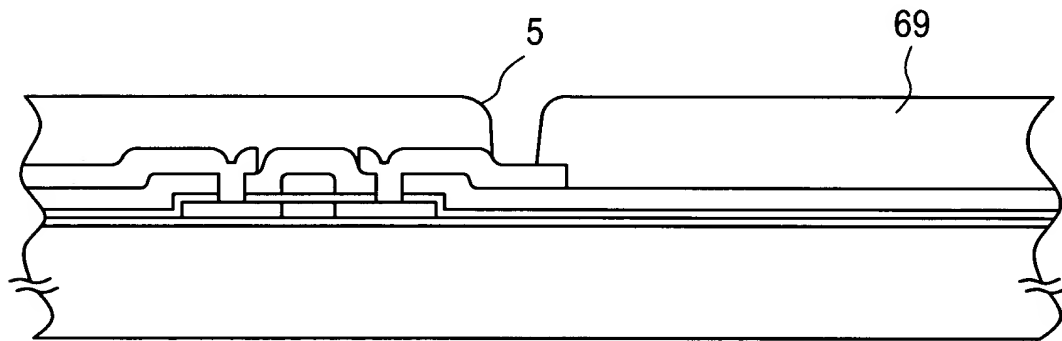
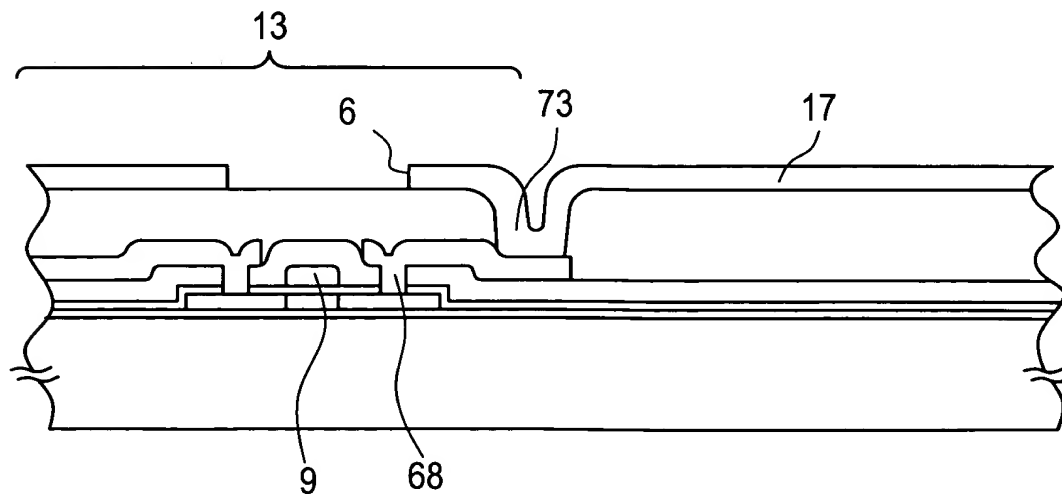


FIG. 6G

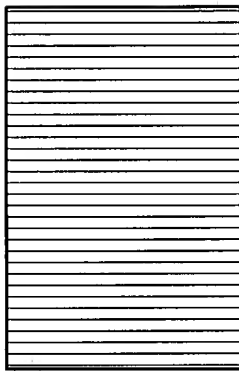




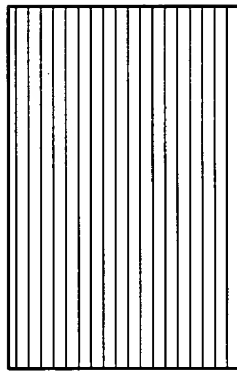
08/ 943, 238

FIG. 7

PIXEL A



PIXEL F



PIXEL I

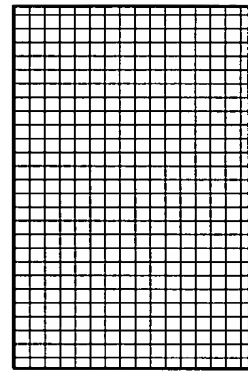
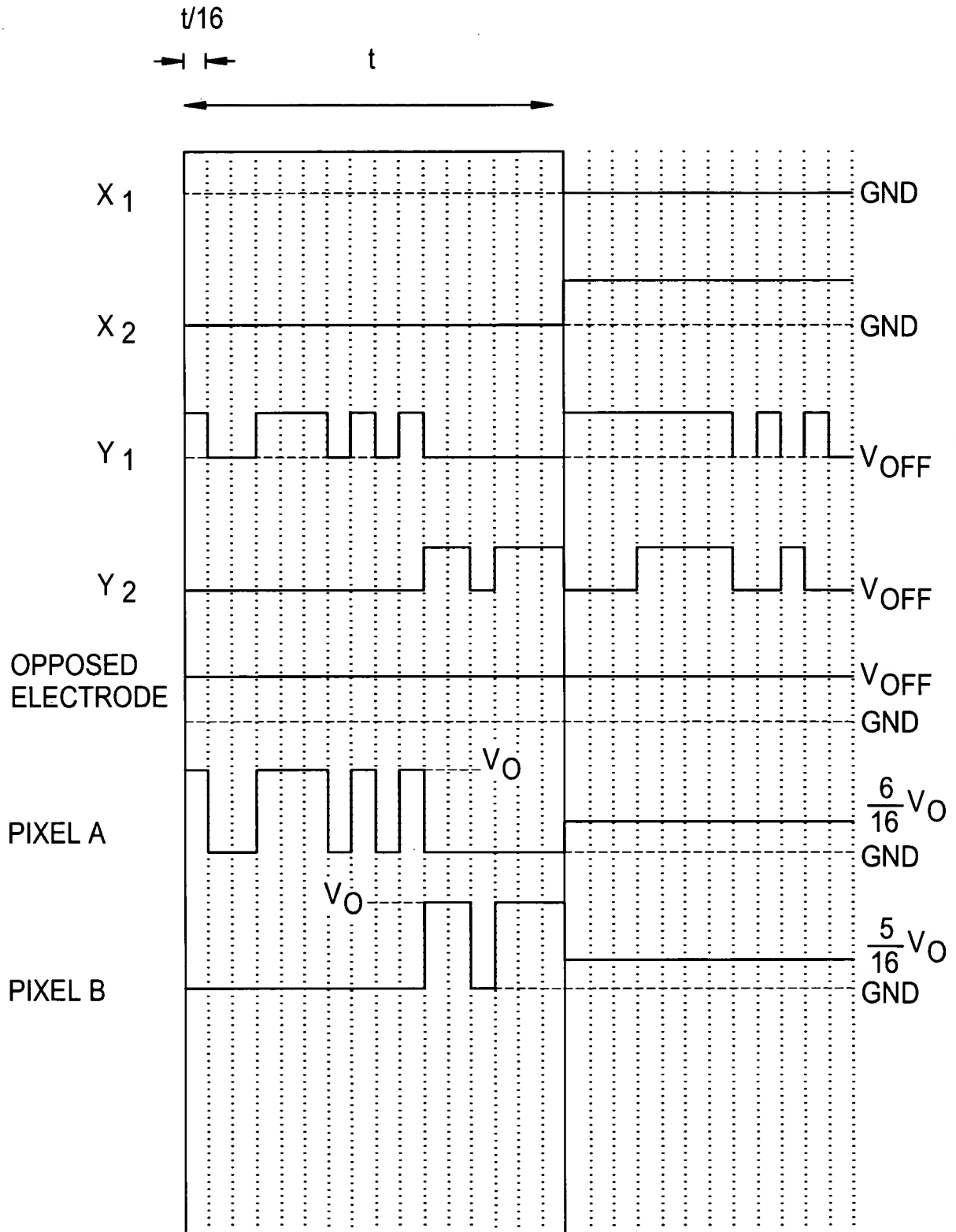


FIG. 8





08/943,238

FIG. 9

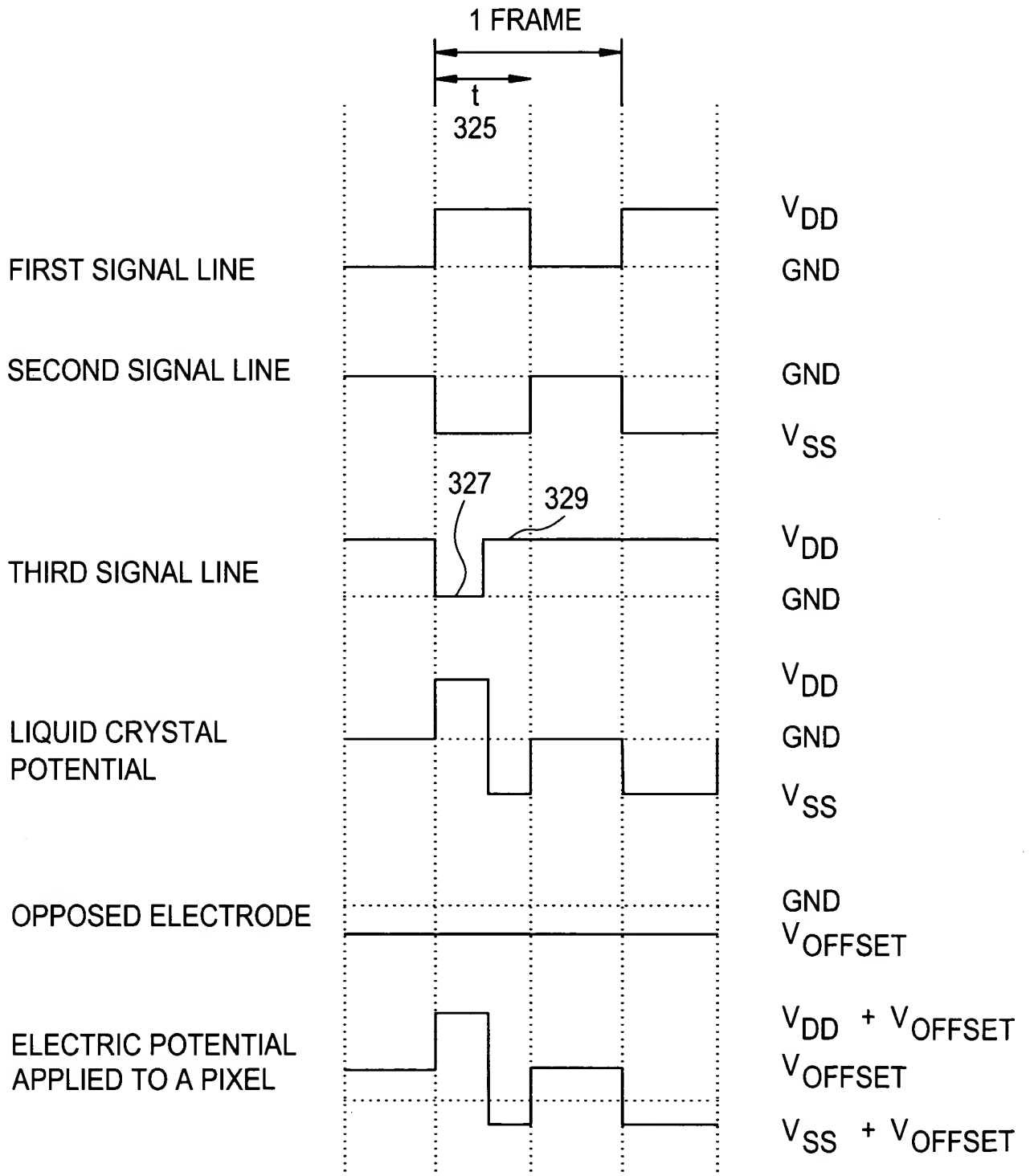
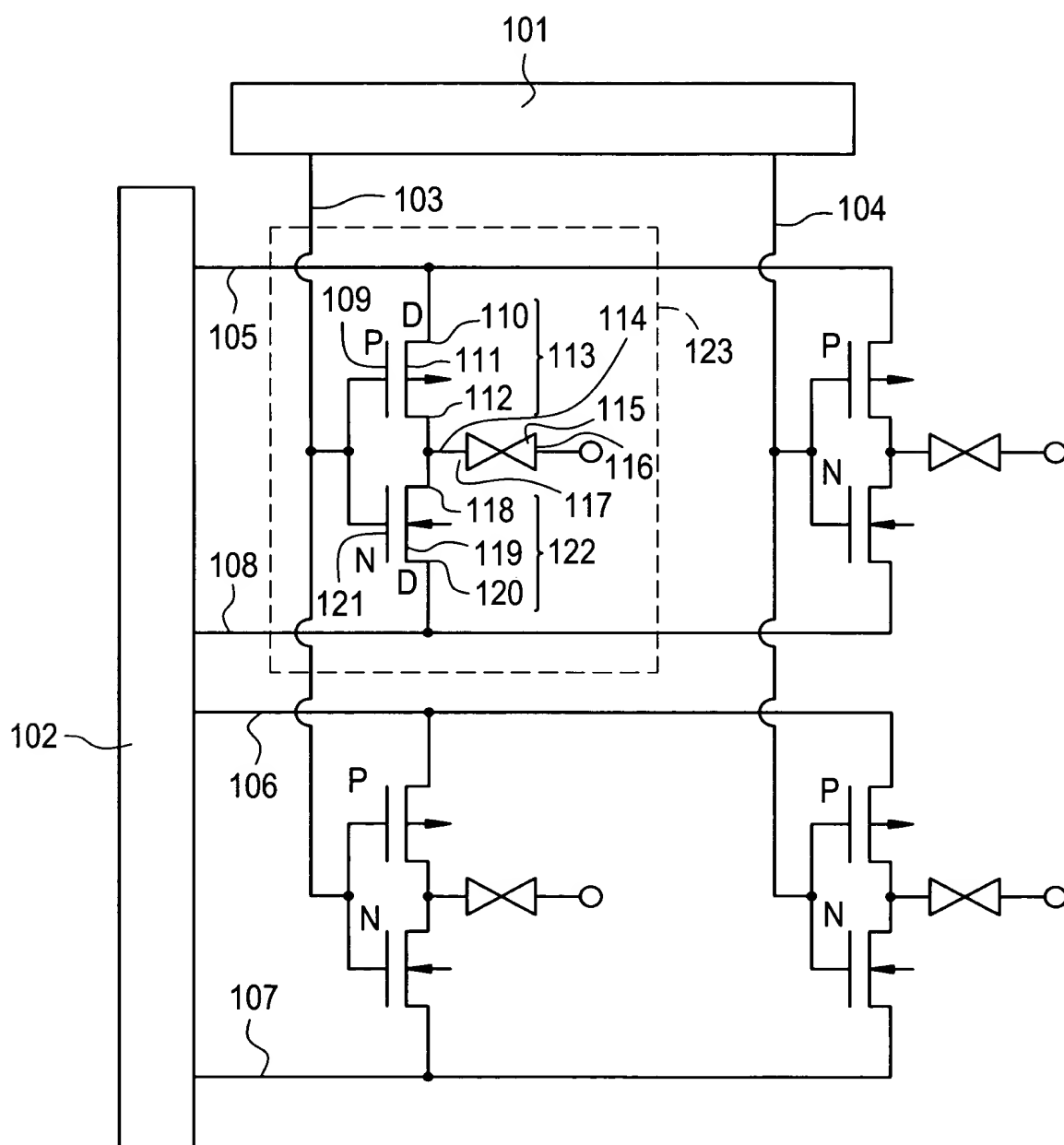




FIG. 10





08/943,238

FIG. 11

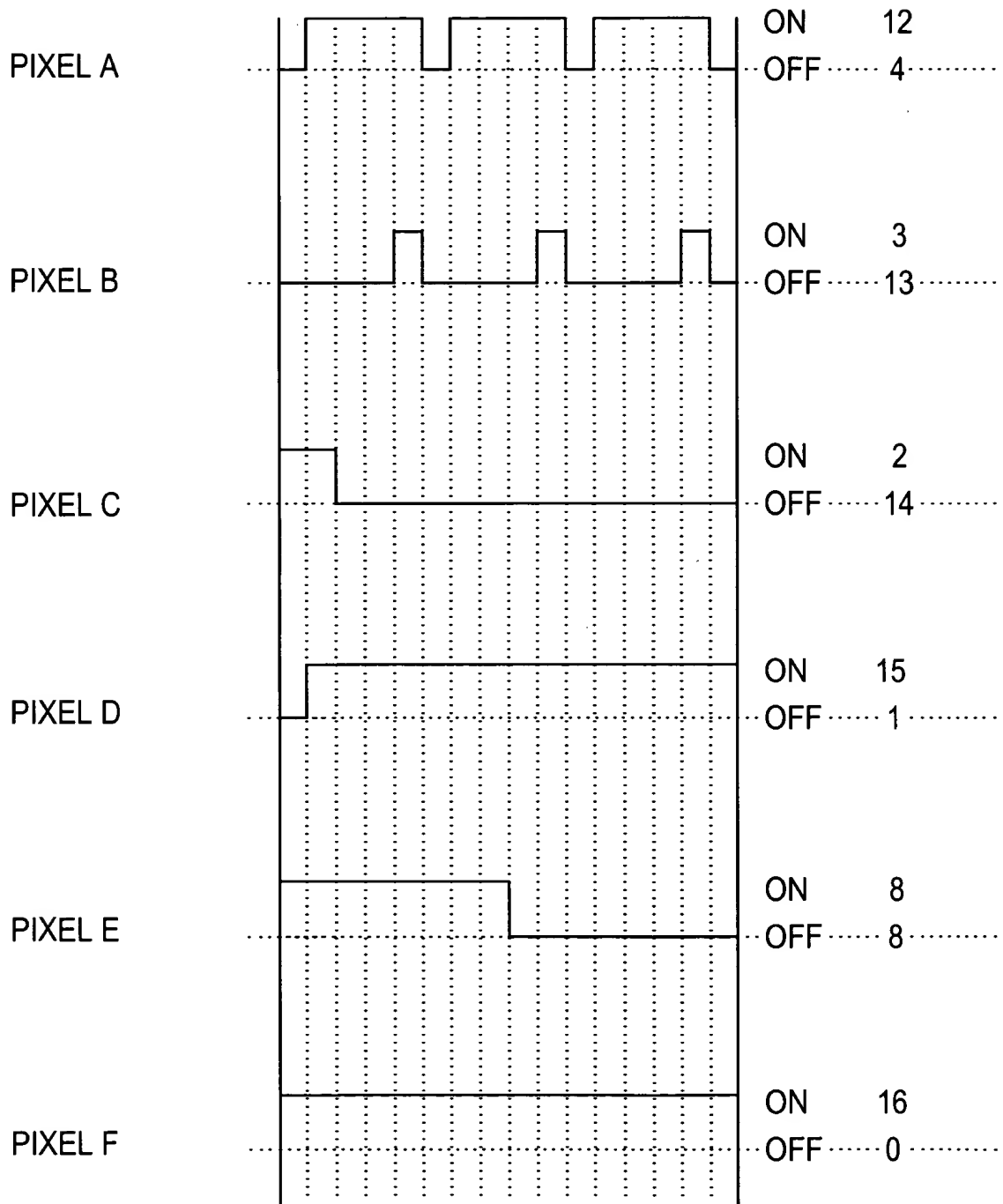




FIG. 12

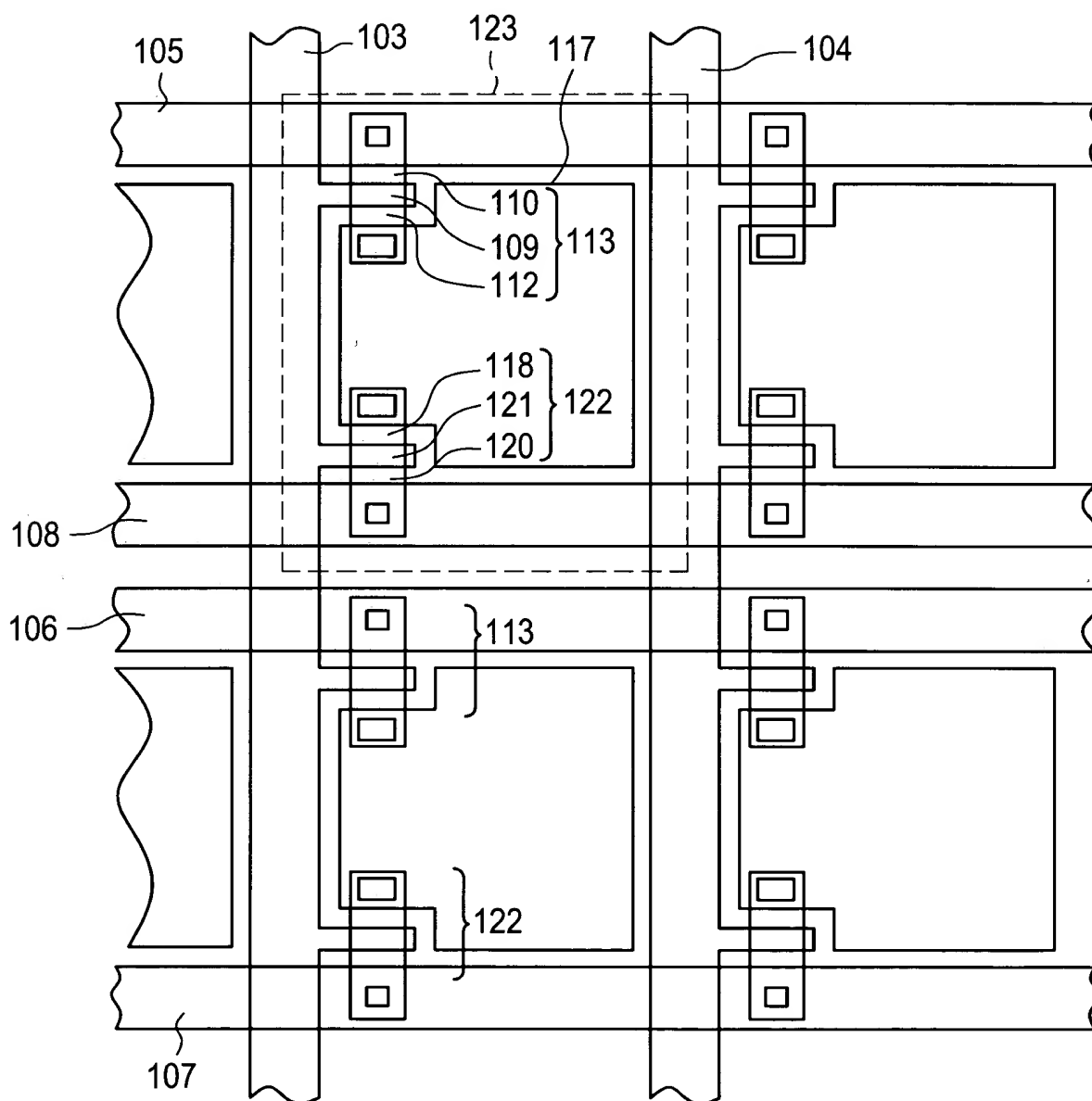




FIG. 13A

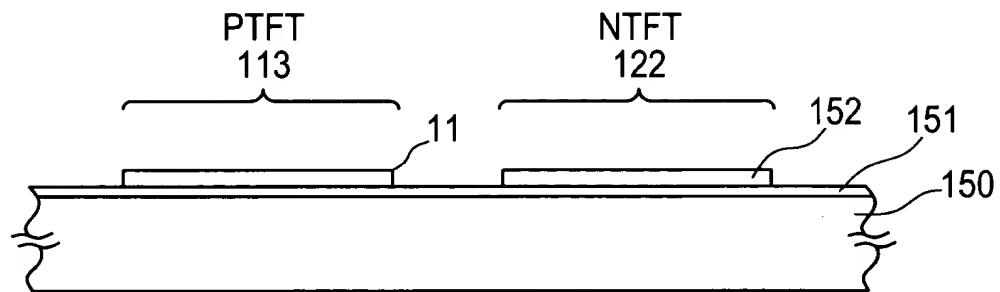


FIG. 13B

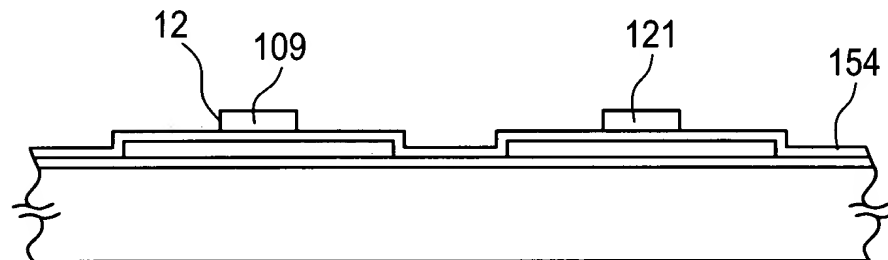


FIG. 13C

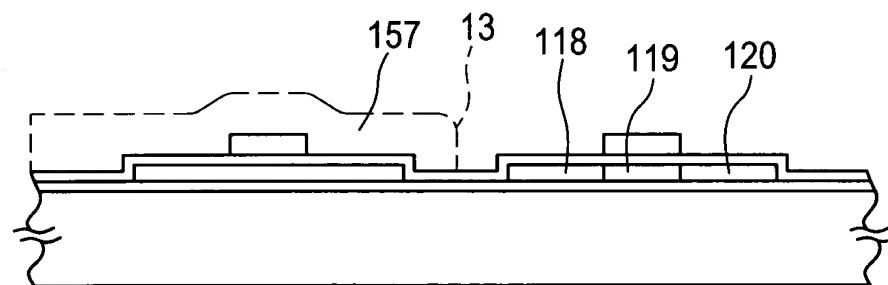


FIG. 13D

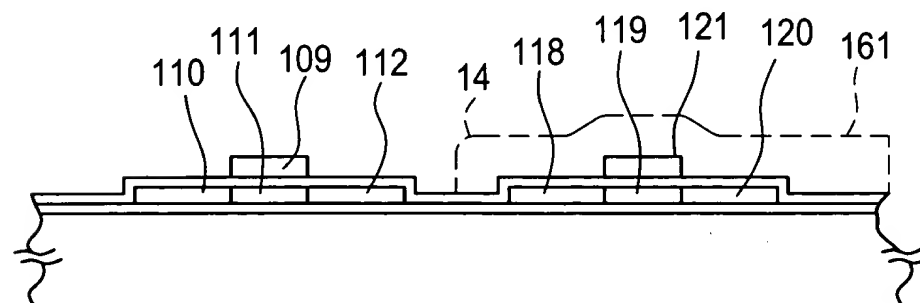




FIG. 13E

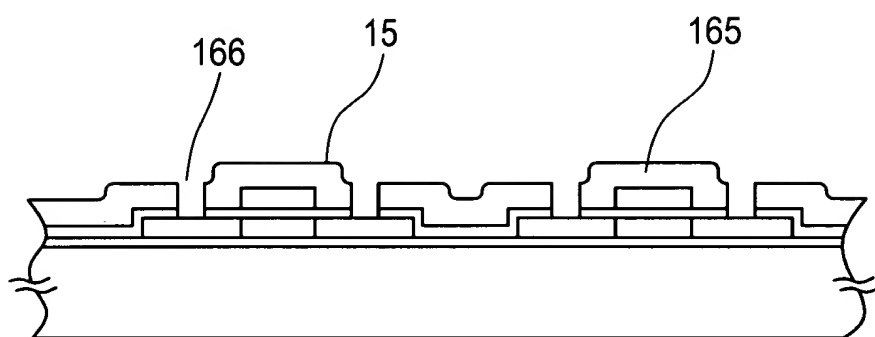
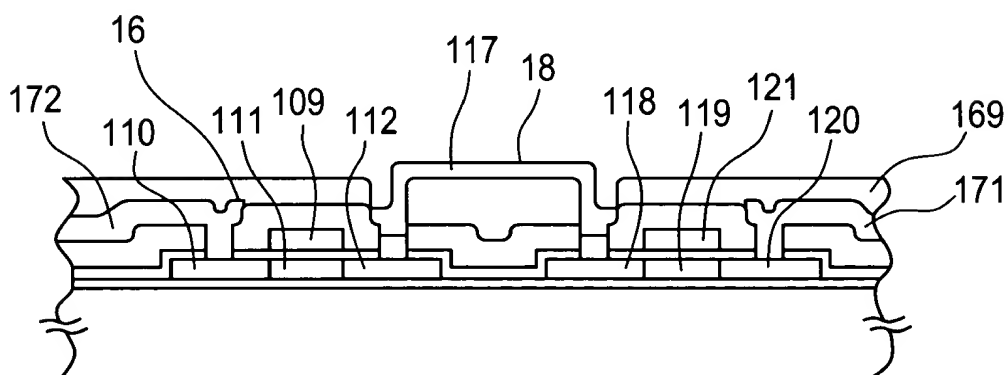


FIG. 13F

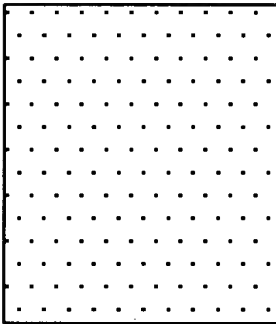




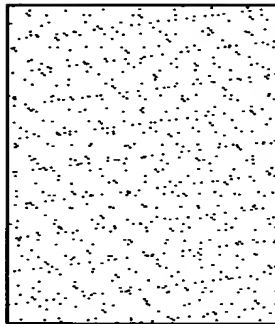
08/943,238

FIG. 14

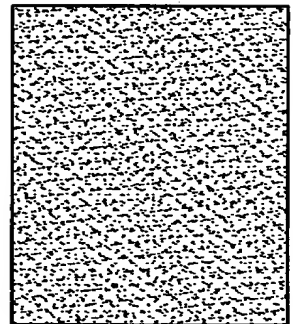
PIXEL A

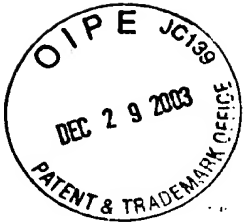


PIXEL E



PIXEL C





08/943,238

FIG. 15

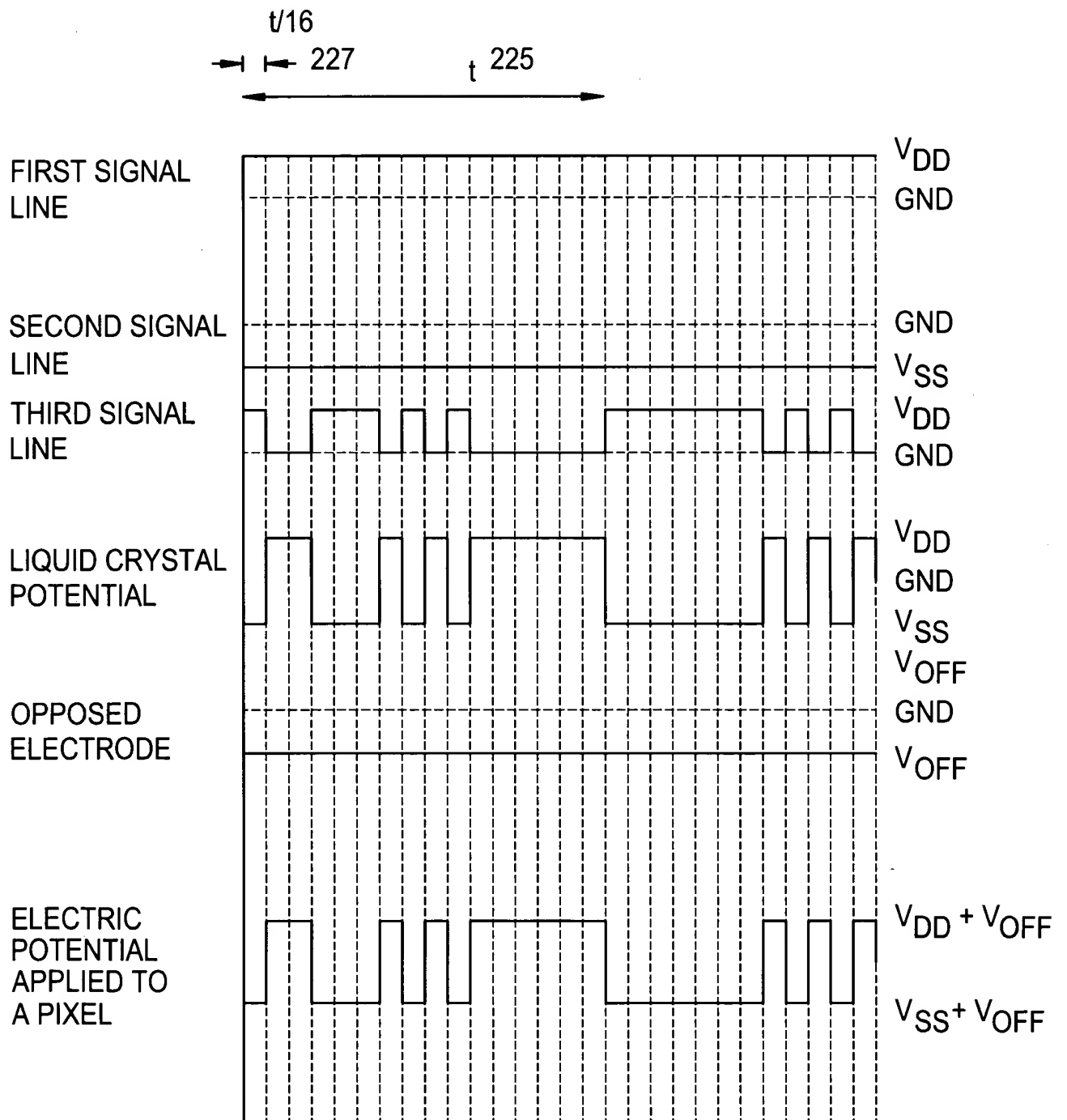


FIG. 16

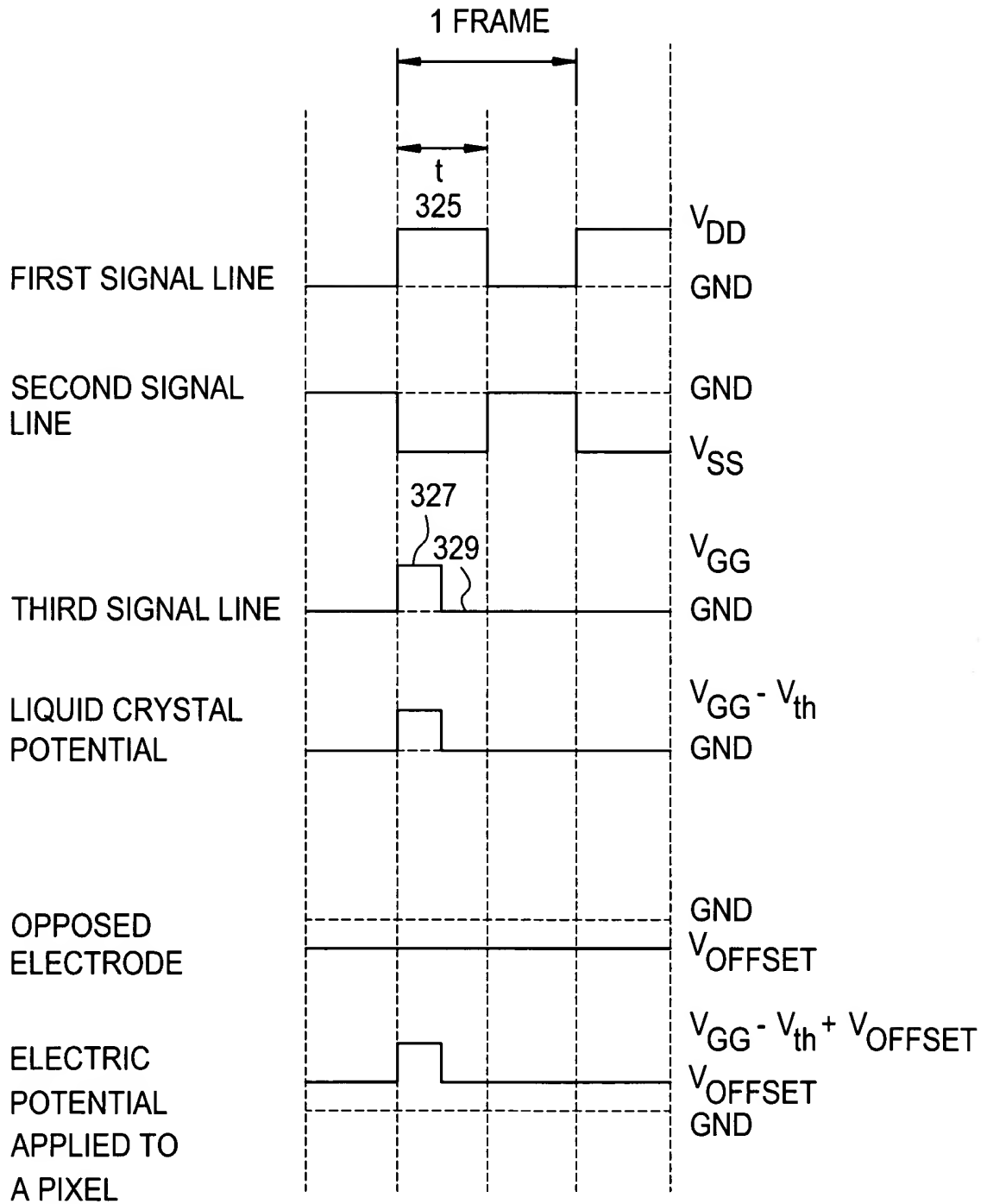


FIG. 17

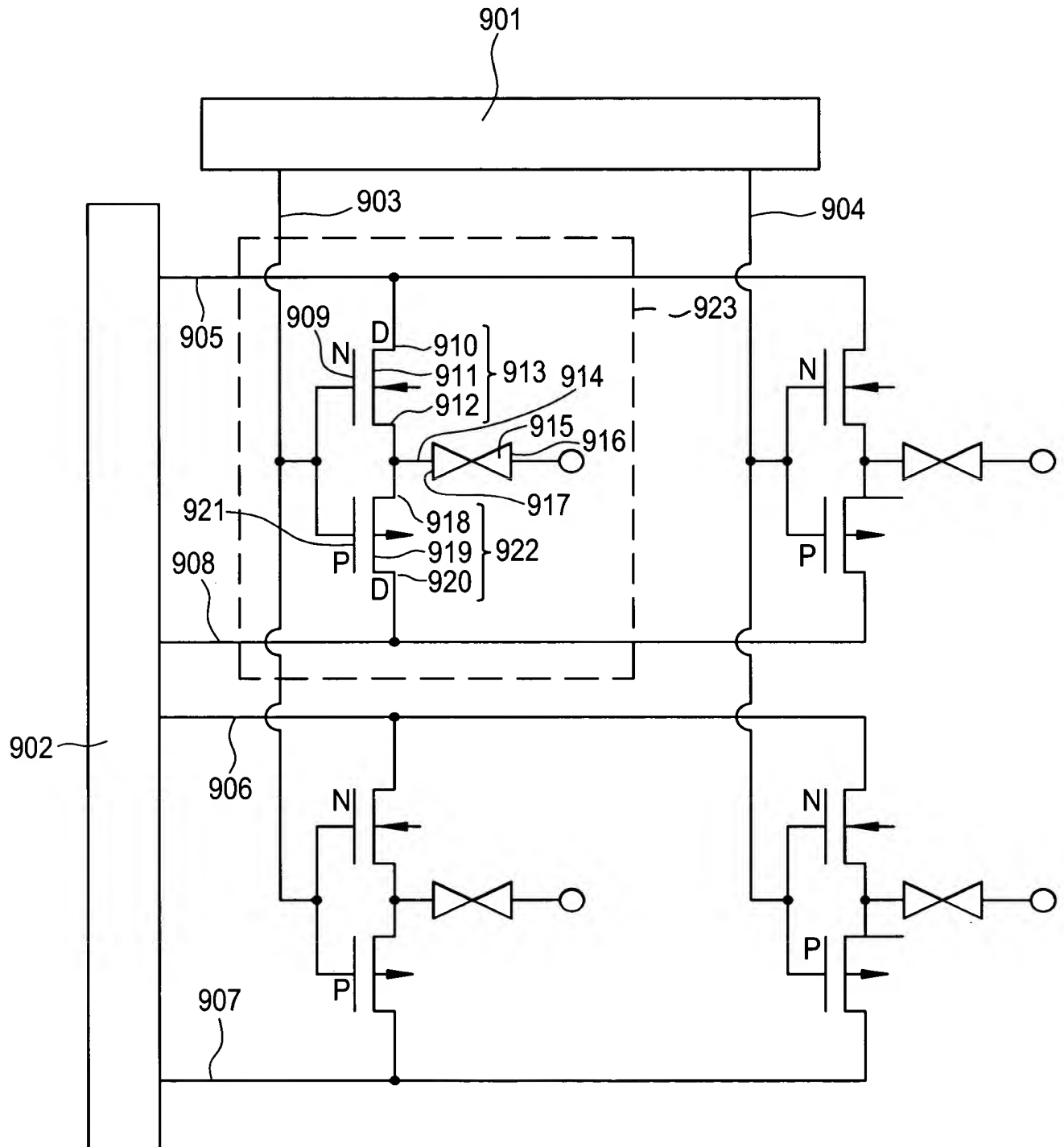




FIG. 18A

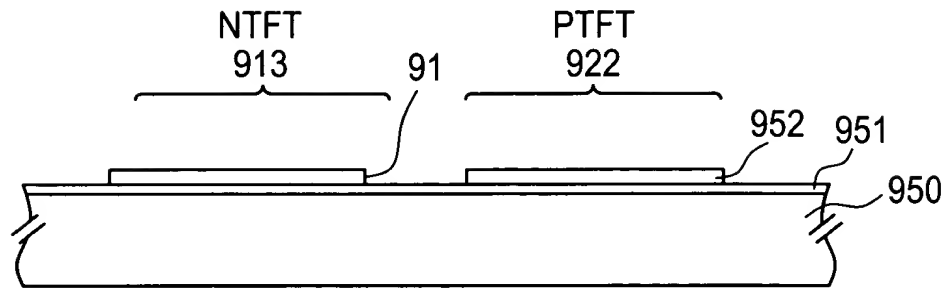


FIG. 18B

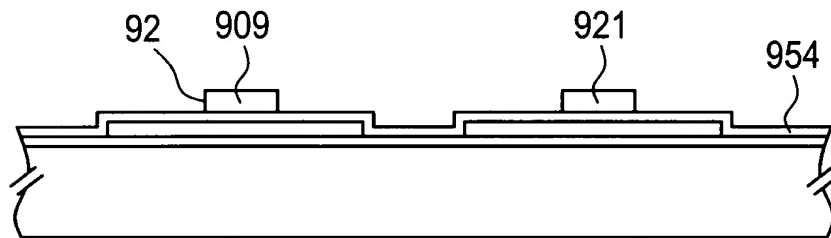


FIG. 18C

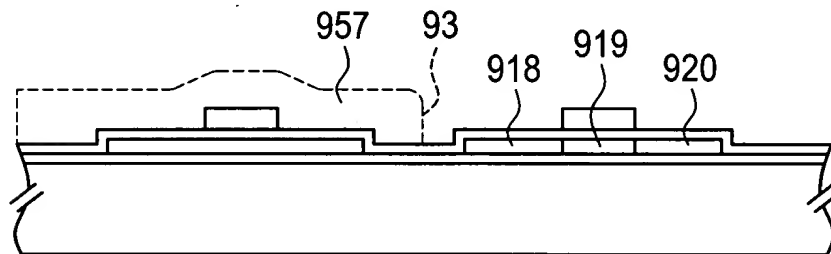


FIG. 18D

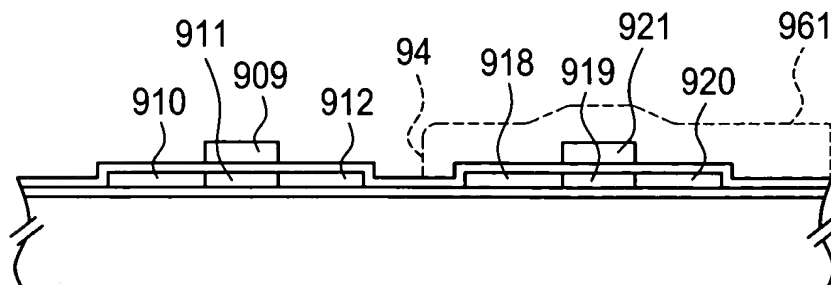


FIG. 18E

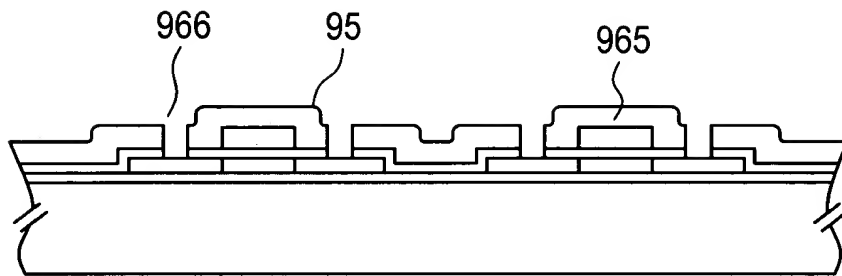


FIG. 18F

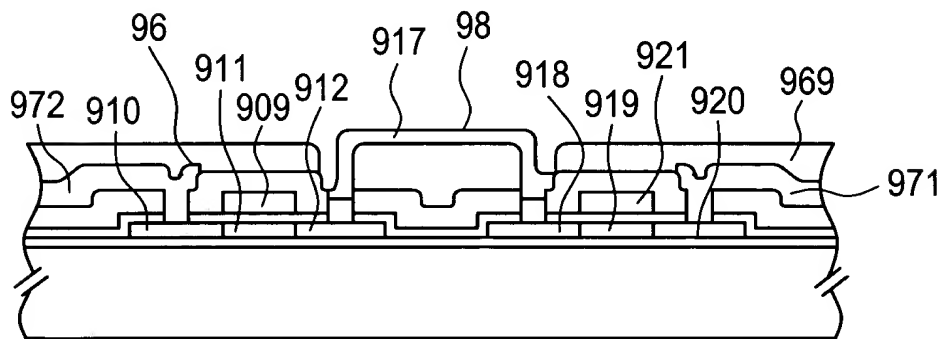


FIG. 19

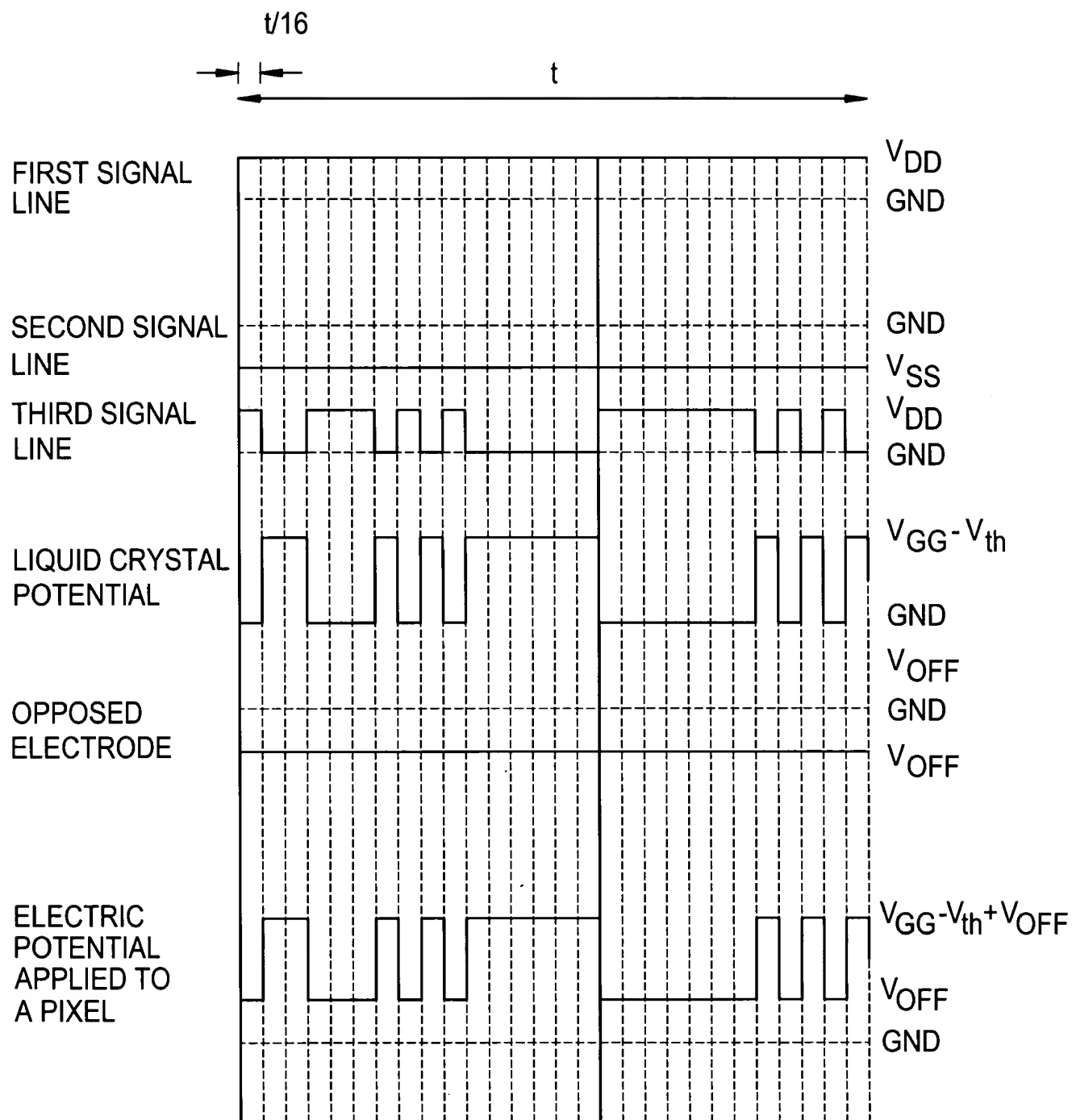




FIG. 20

PRIOR ART

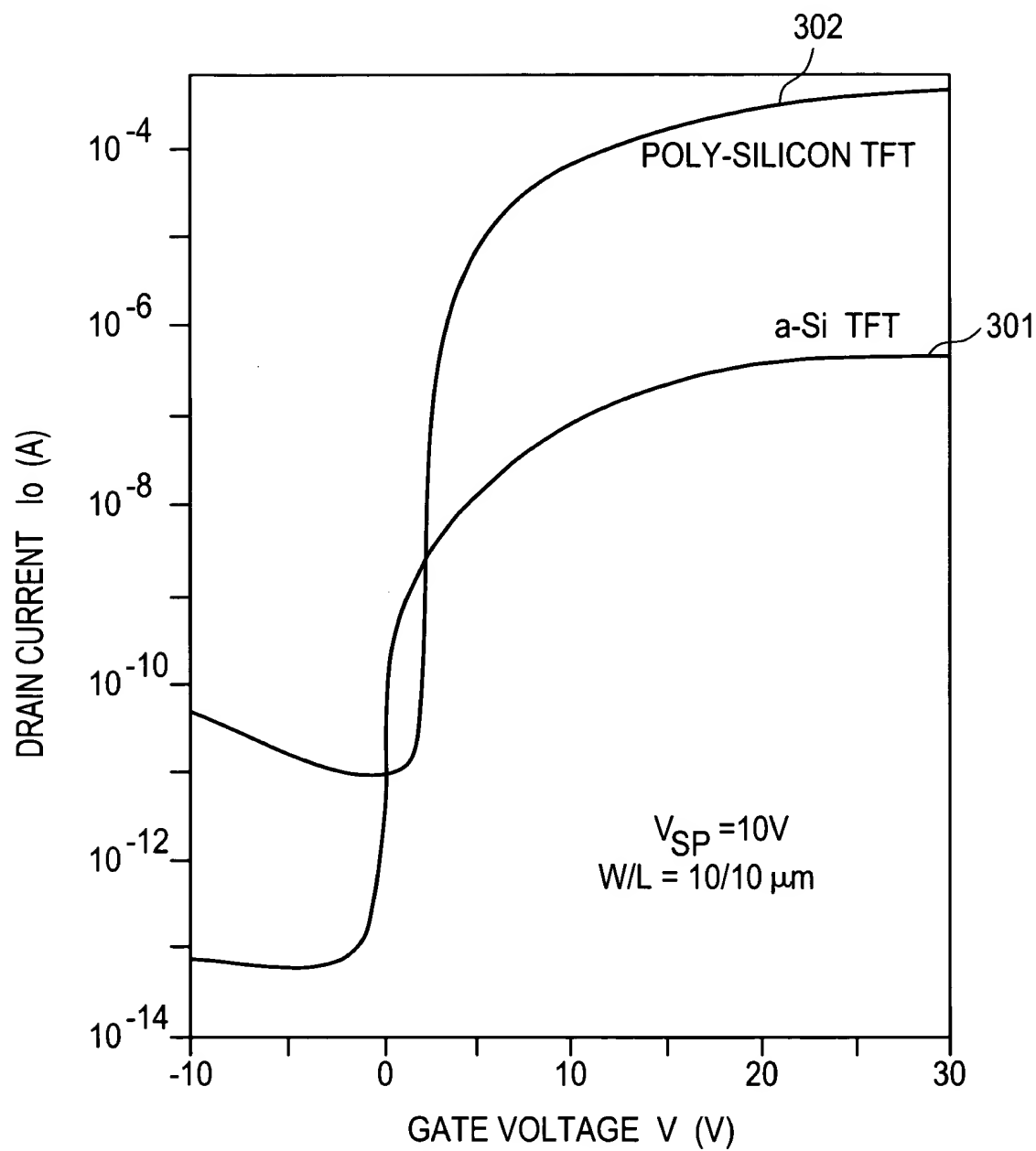
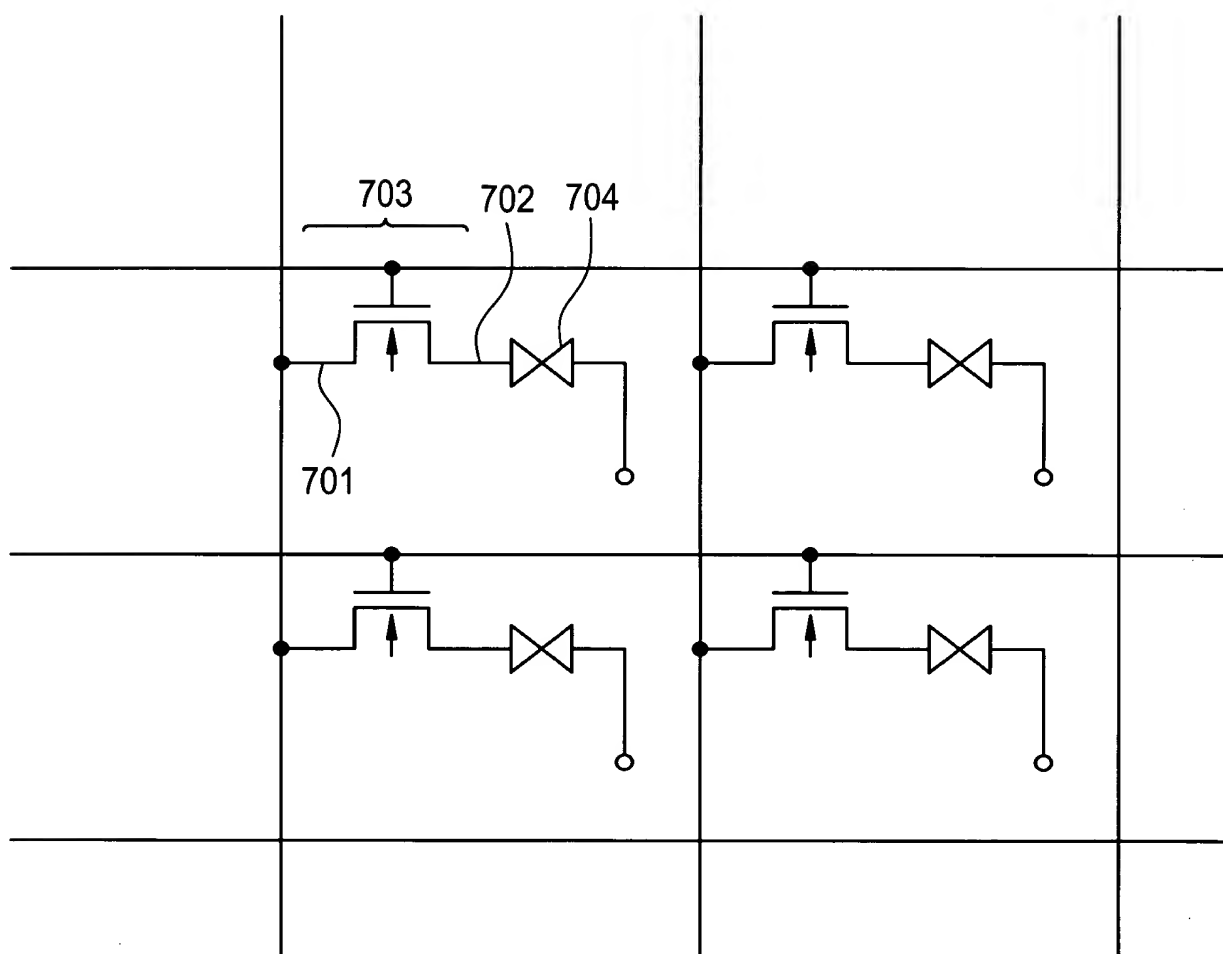


FIG. 21





08/943,238

FIG. 22A

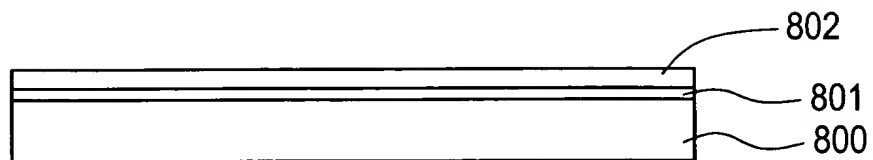


FIG. 22B

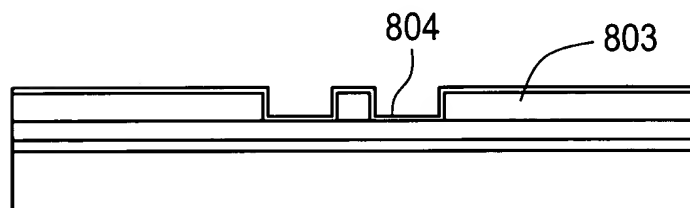


FIG. 22C

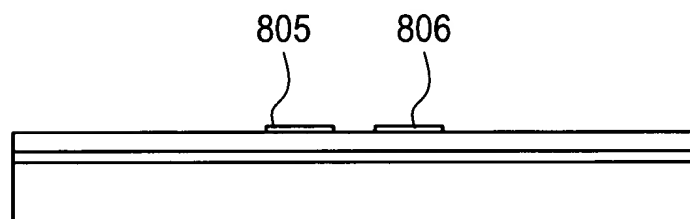


FIG. 22D

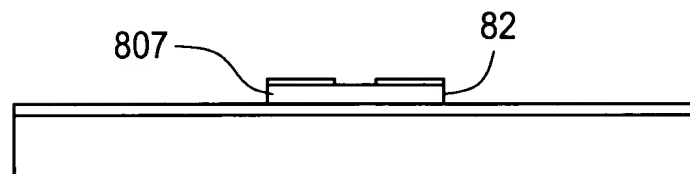
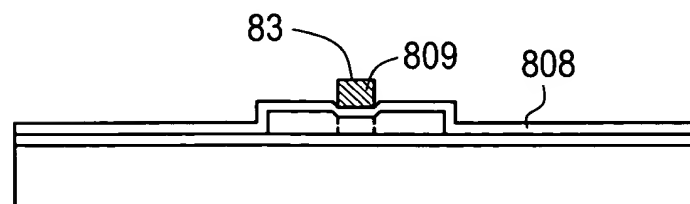


FIG. 22E





08/ 943,238

FIG. 22F

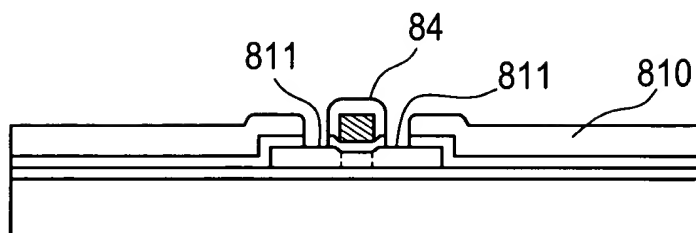


FIG. 22G

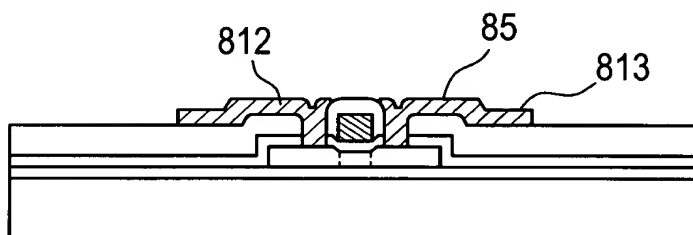


FIG. 22H

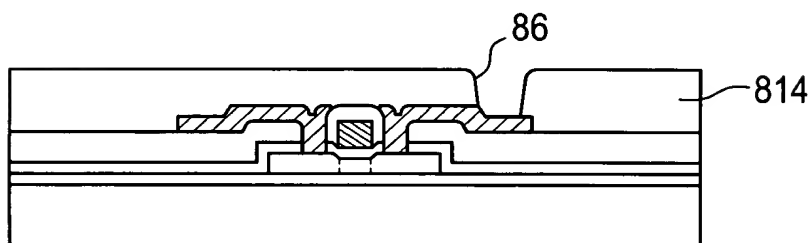


FIG. 22I

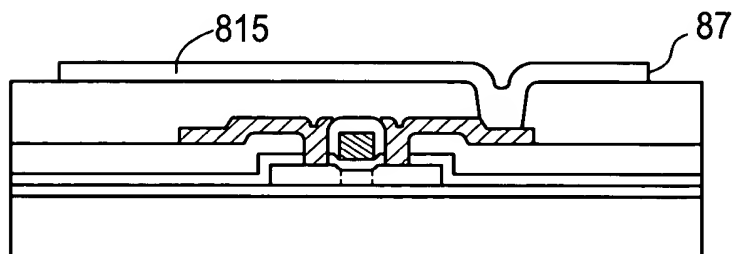


FIG. 23A

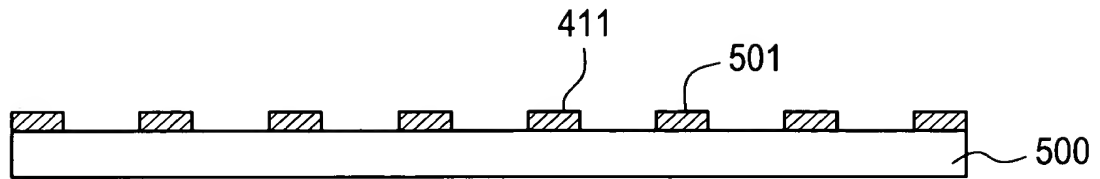


FIG. 23B

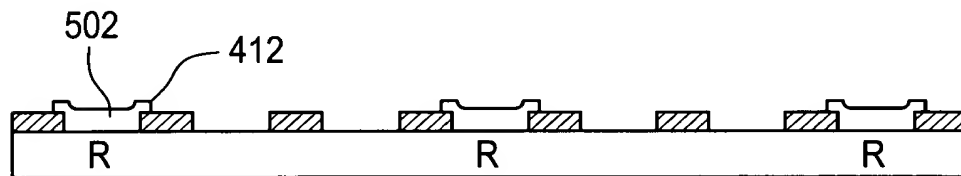


FIG. 23C

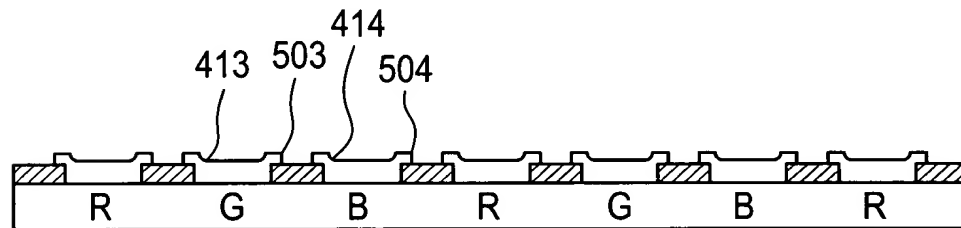


FIG. 23D

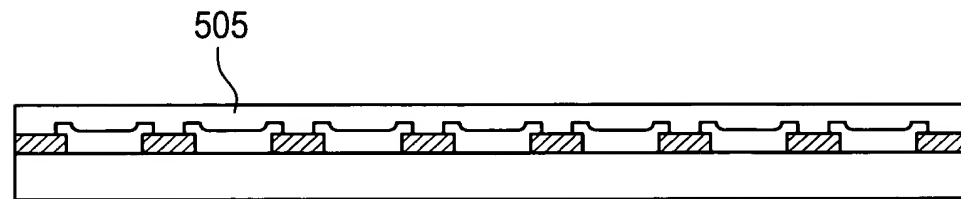
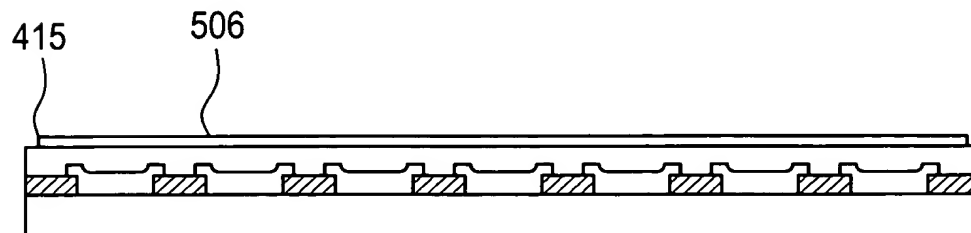


FIG. 23E



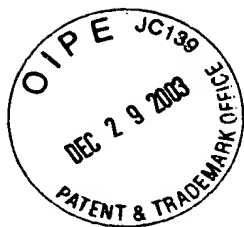


FIG. 24

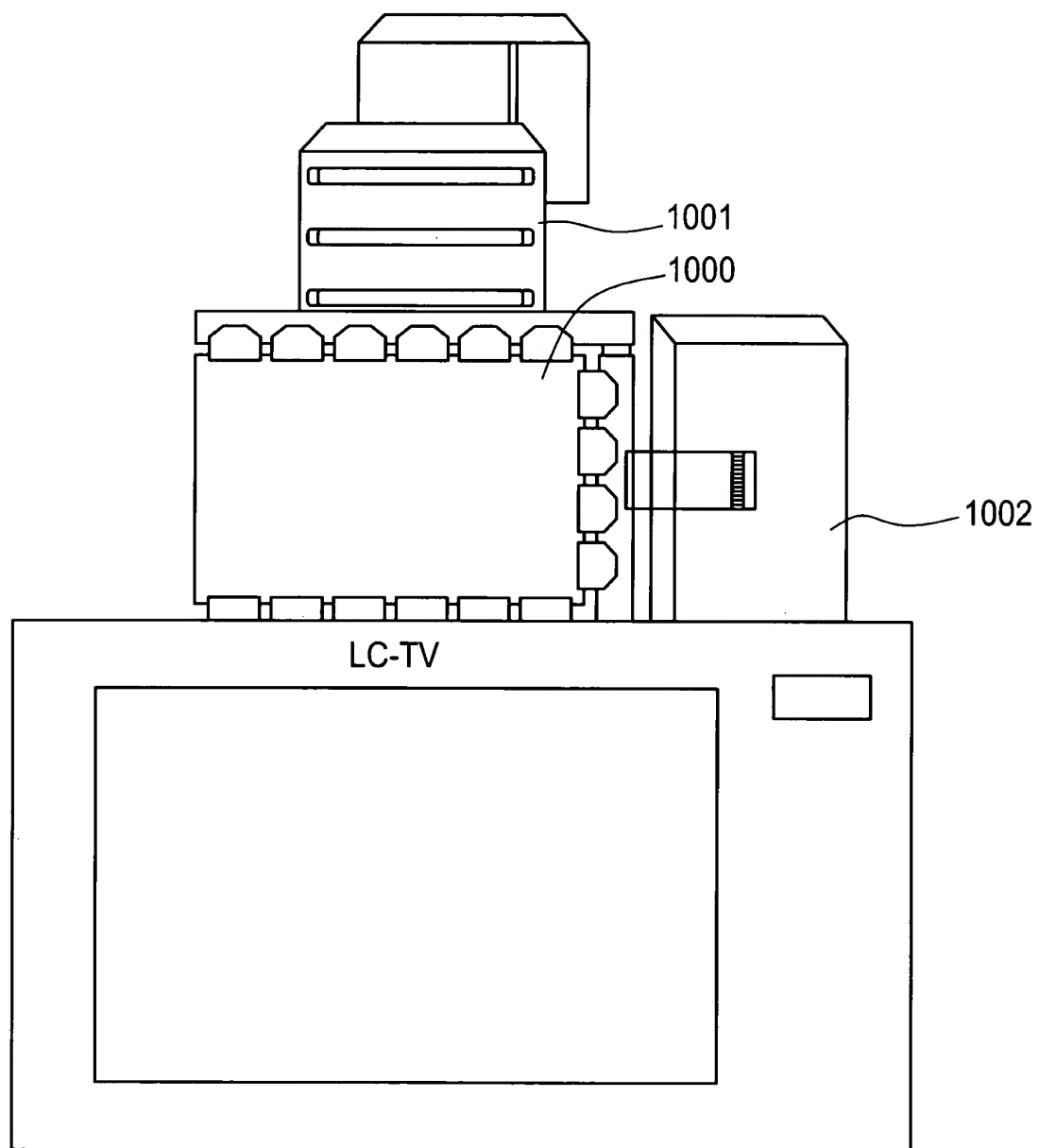




FIG. 25

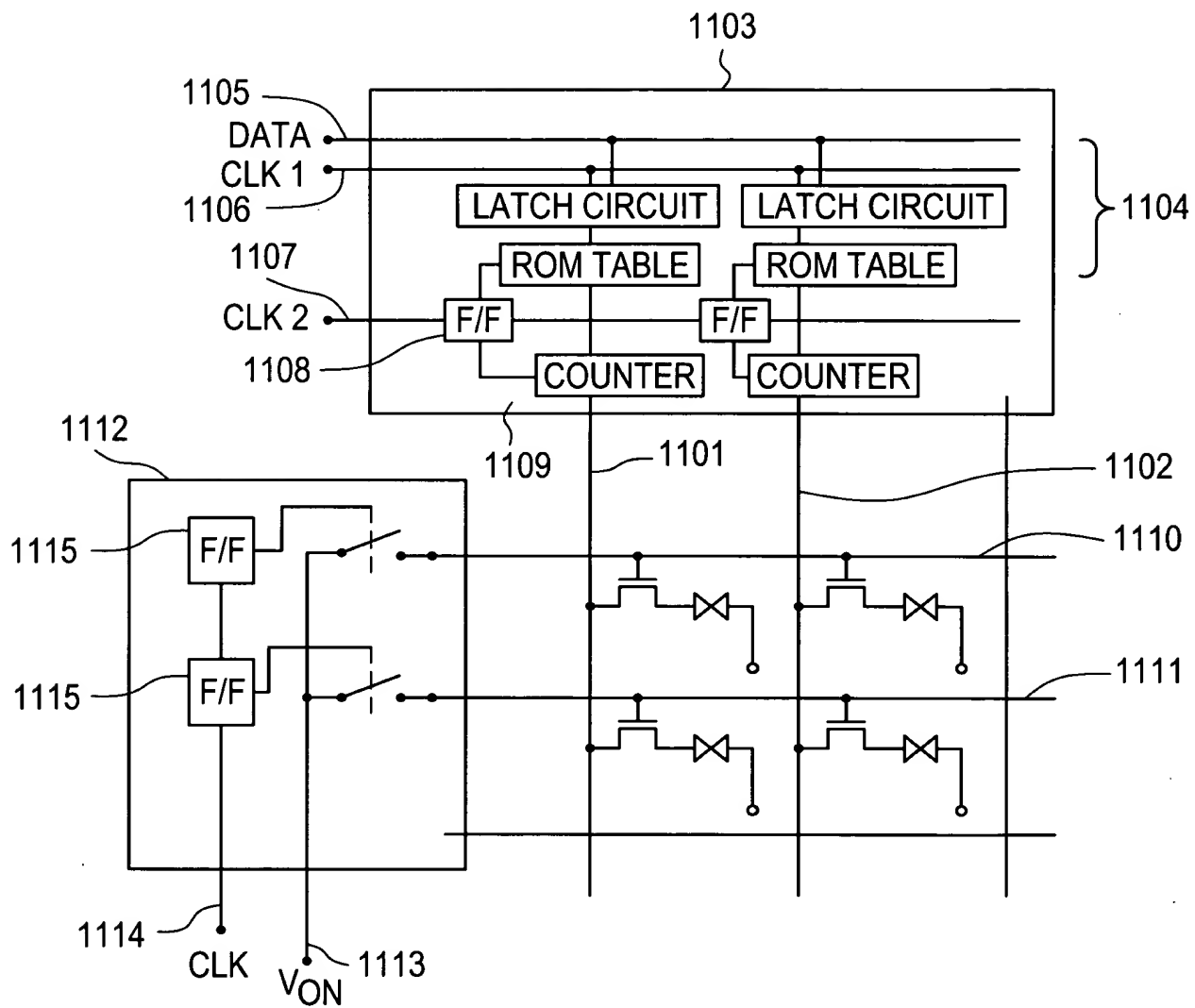


FIG. 26A

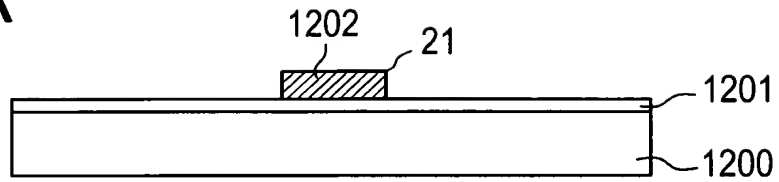


FIG. 26B

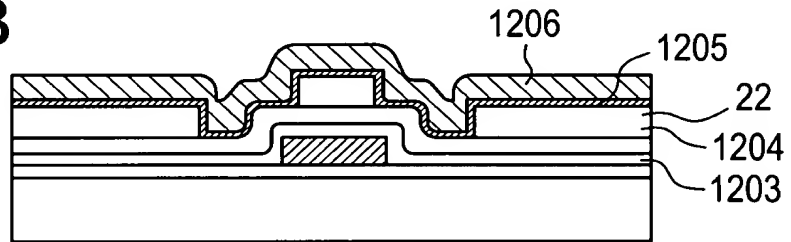


FIG. 26C

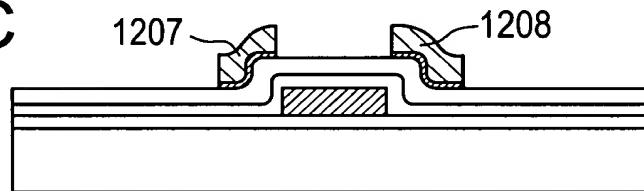


FIG. 26D

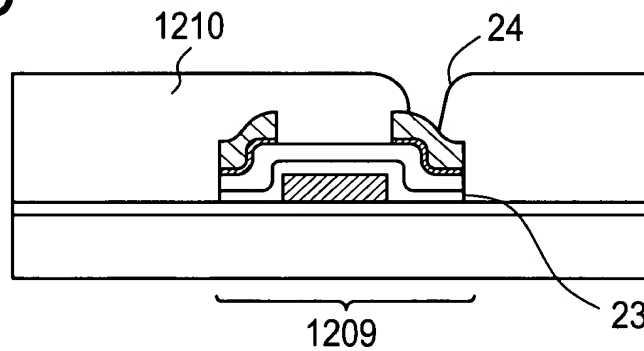


FIG. 26E

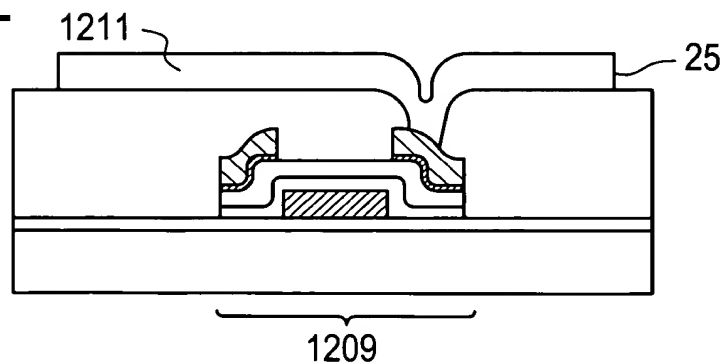


FIG. 27

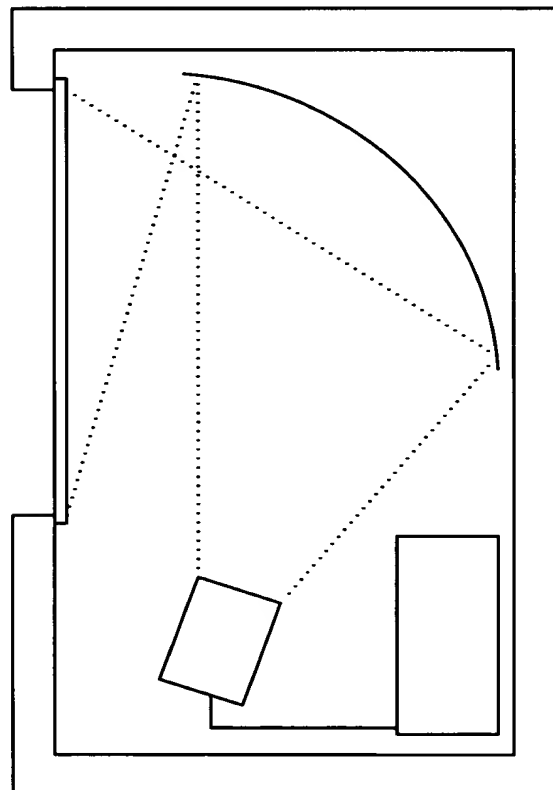
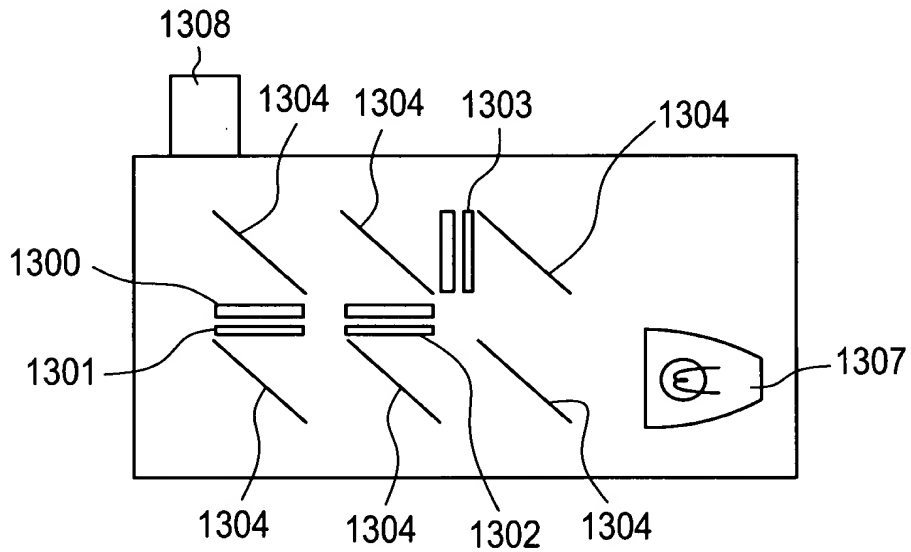




FIG. 28A

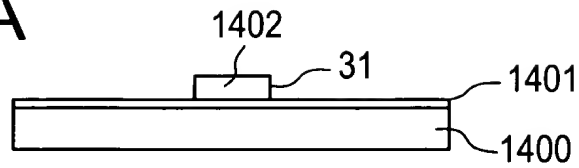


FIG. 28B

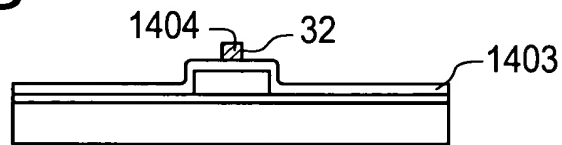


FIG. 28C

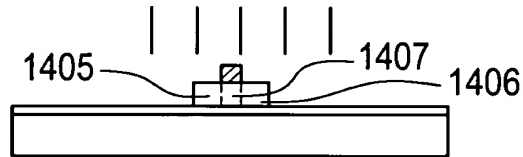


FIG. 28D

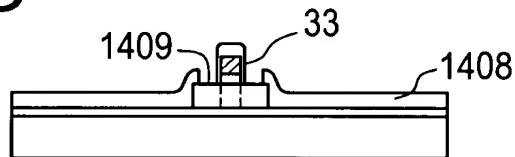


FIG. 28E

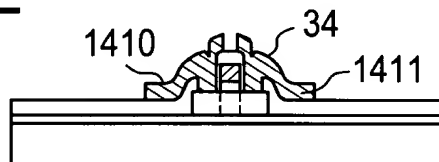


FIG. 28F

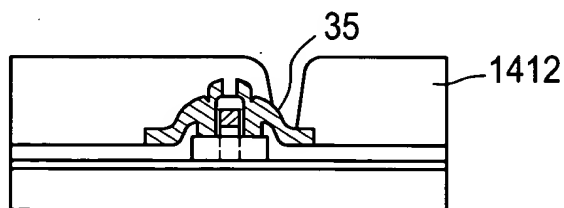
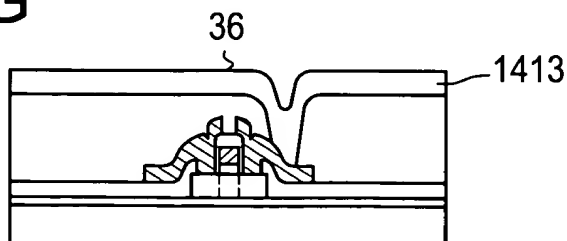


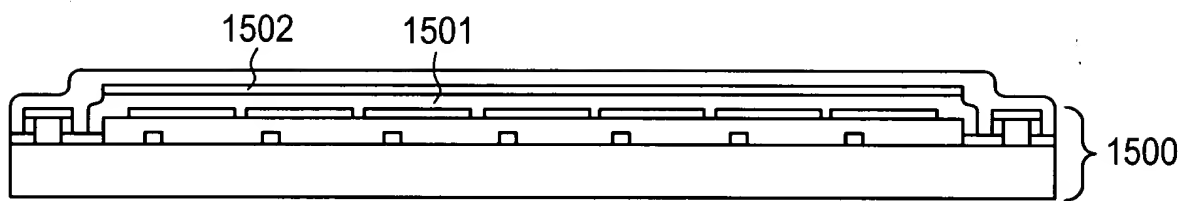
FIG. 28G





08/943,238

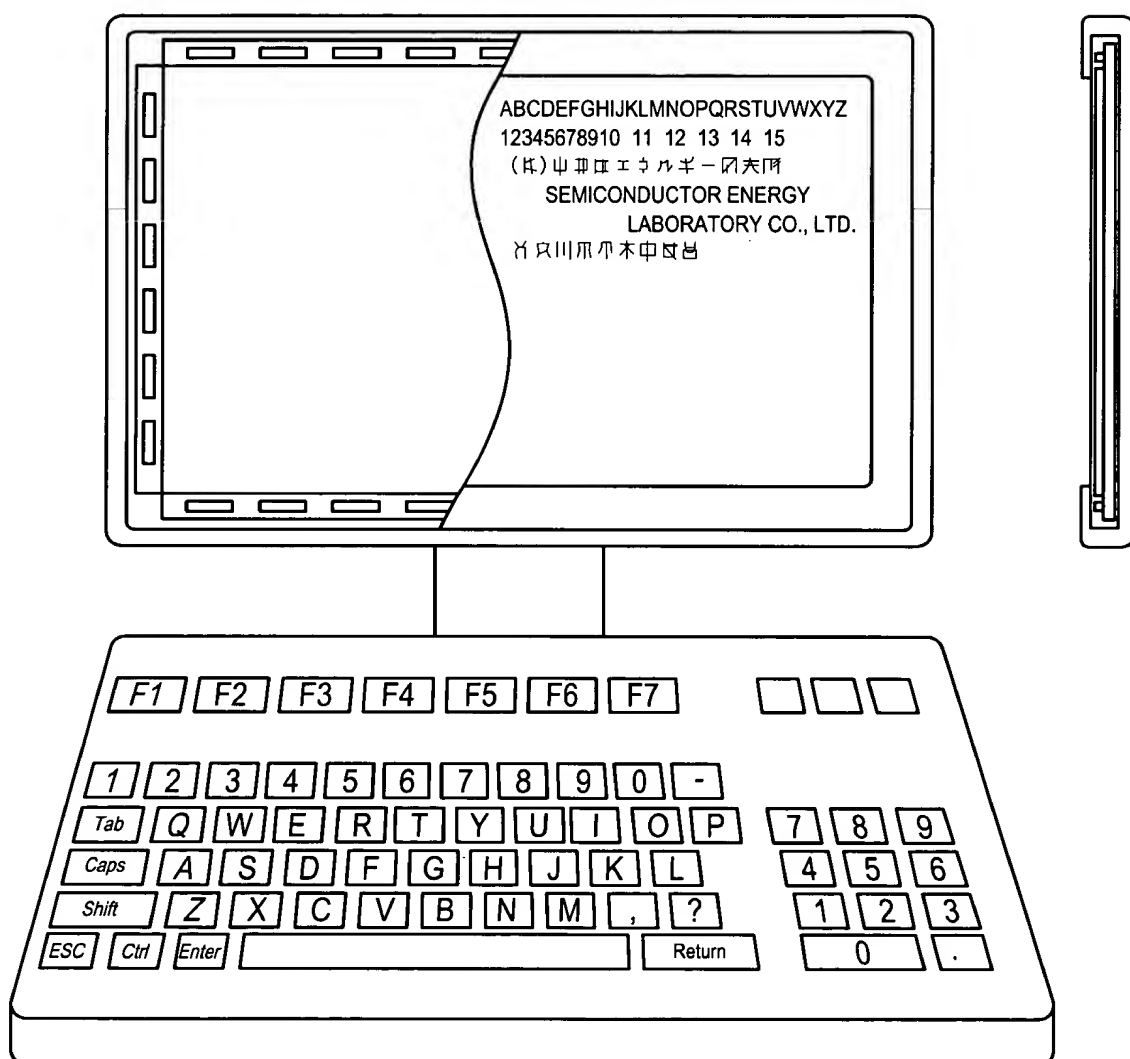
FIG. 29





08/943,238

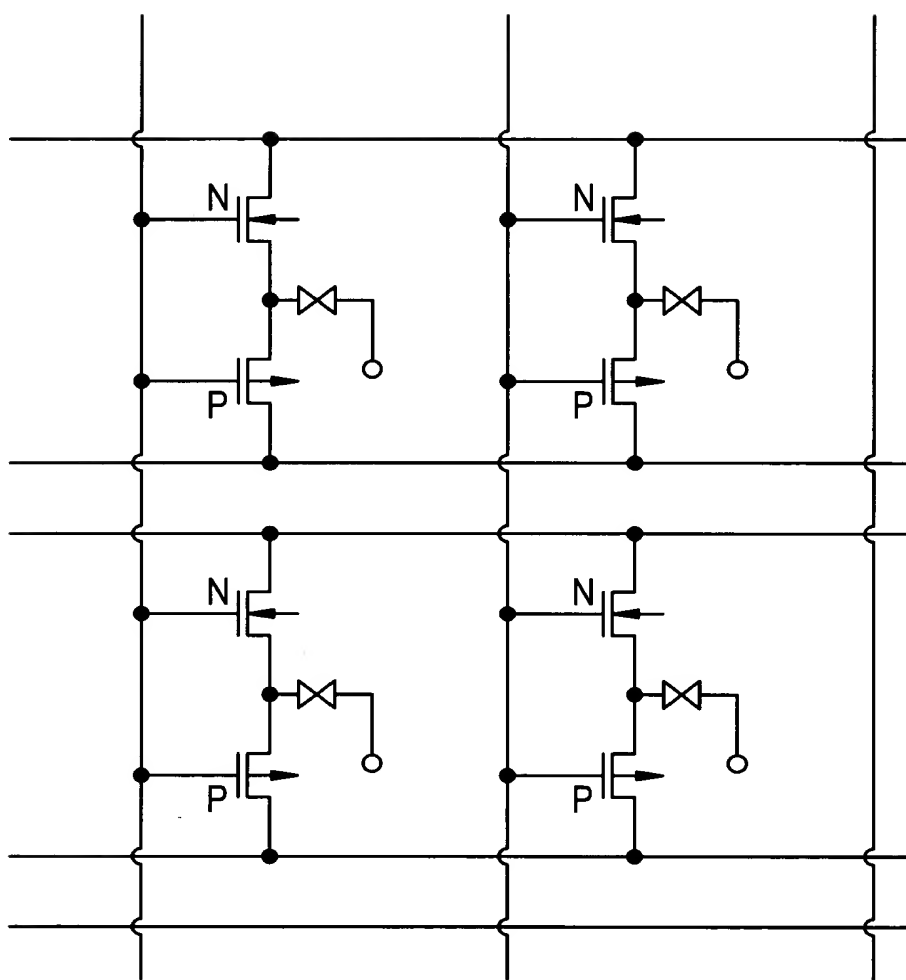
FIG. 30





08/943.238

FIG. 31





08/ 943,238

FIG. 32

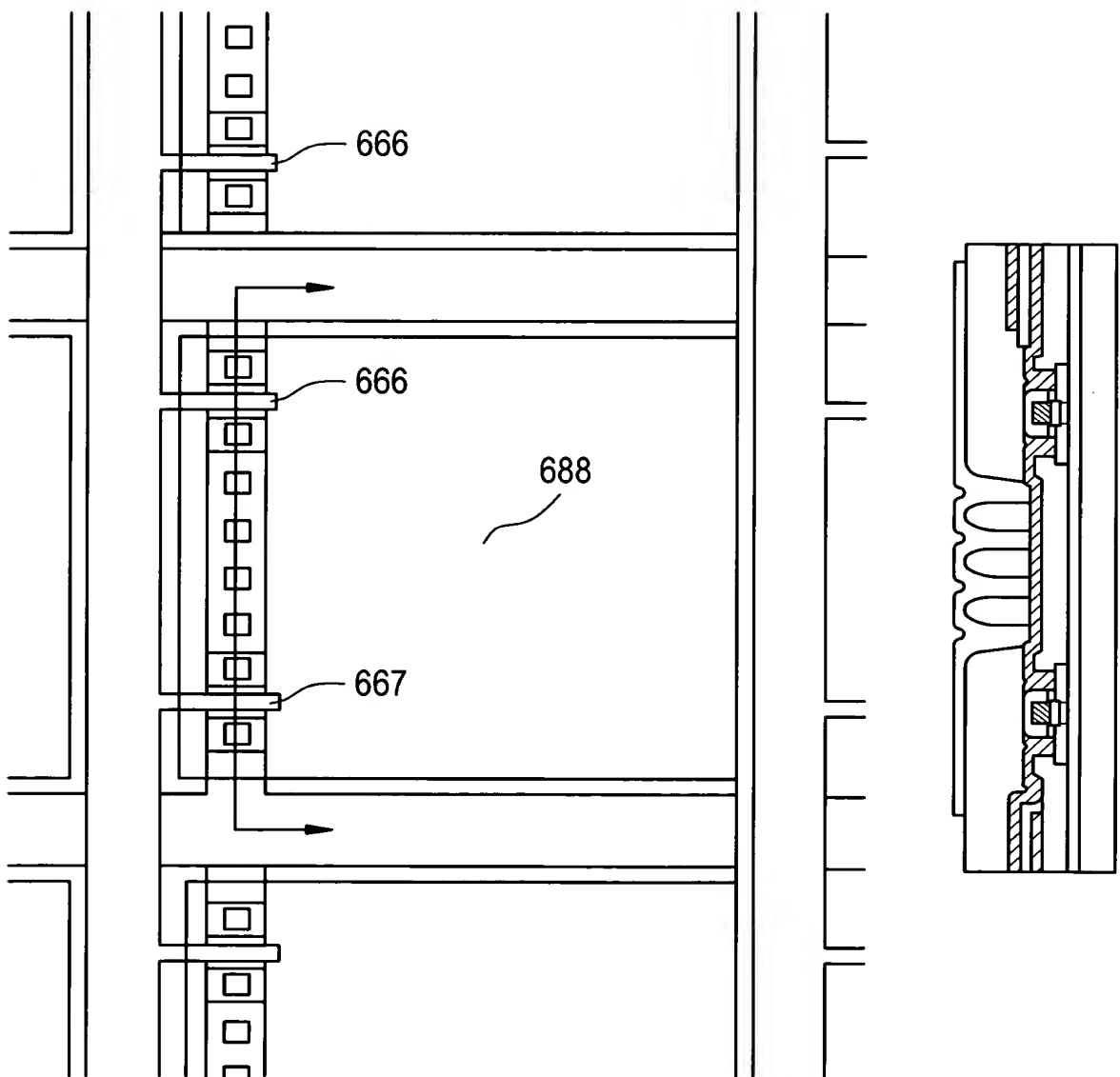


FIG. 33A

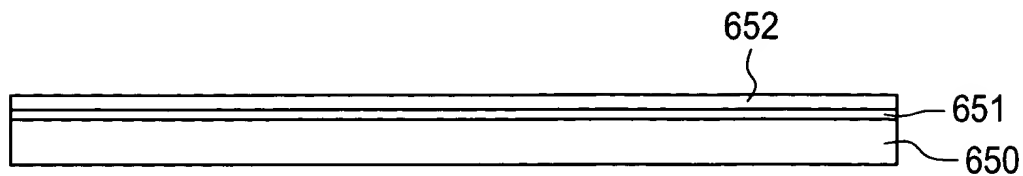


FIG. 33B

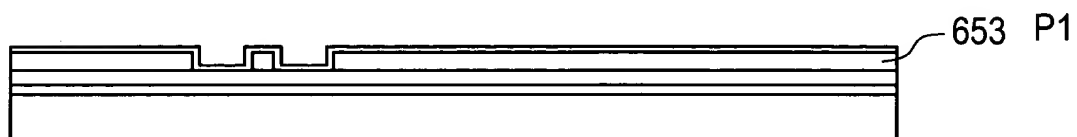


FIG. 33C

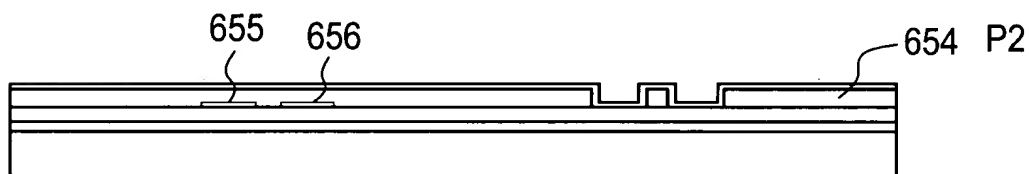


FIG. 33D

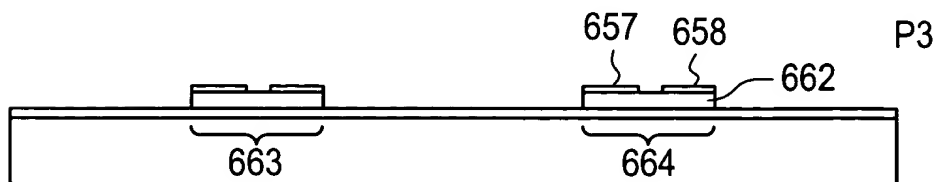


FIG. 33E

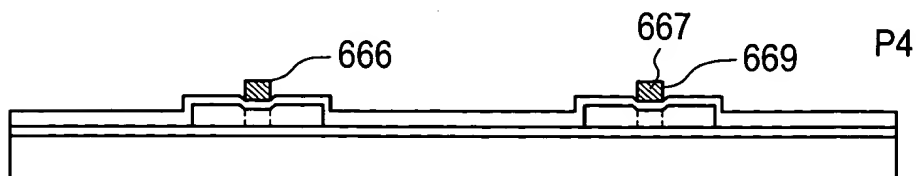


FIG. 33F

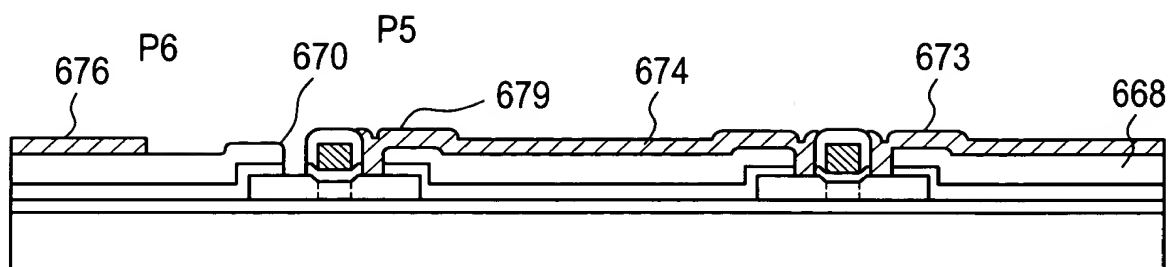


FIG. 33G

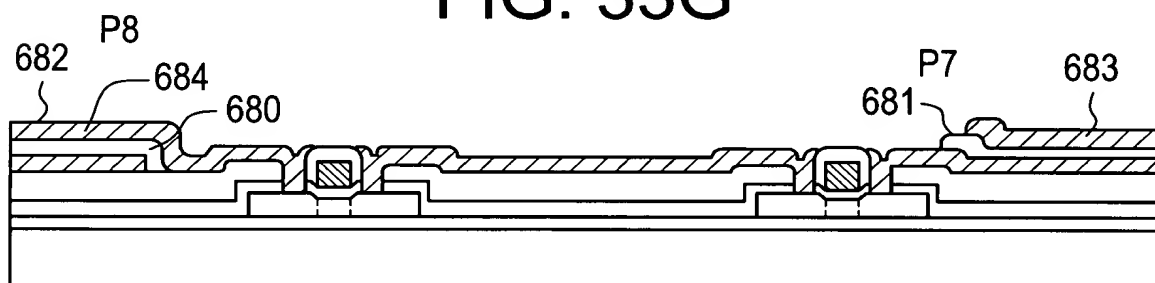


FIG. 33H

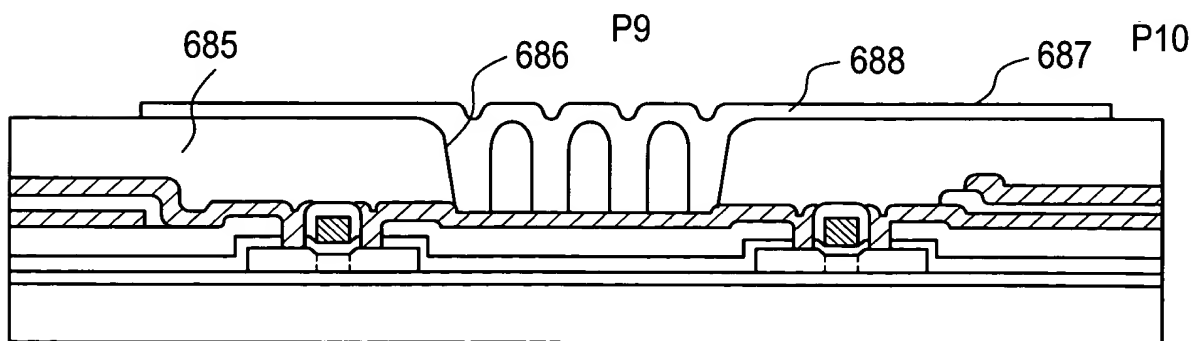
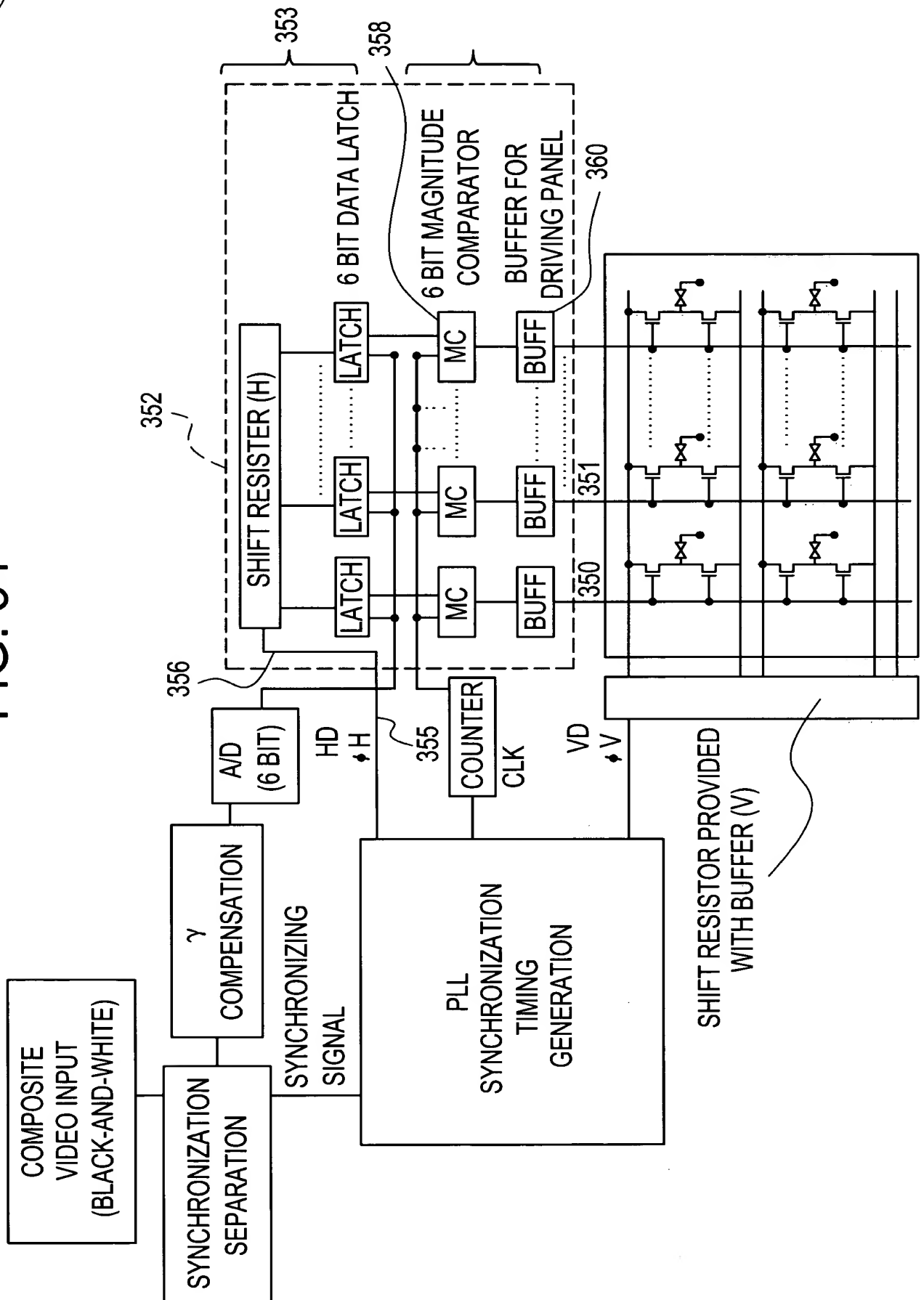


FIG. 34





08/943,238

FIG. 35A

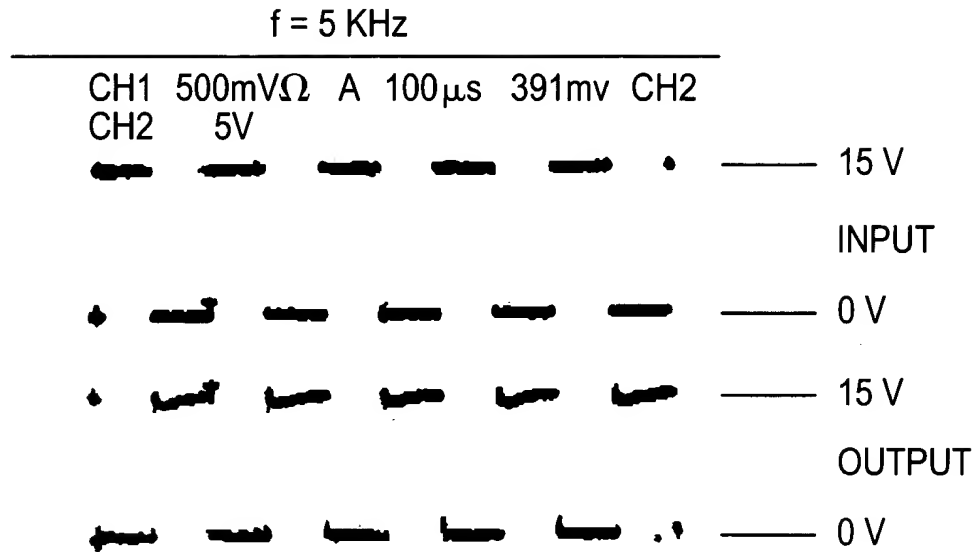


FIG. 35B

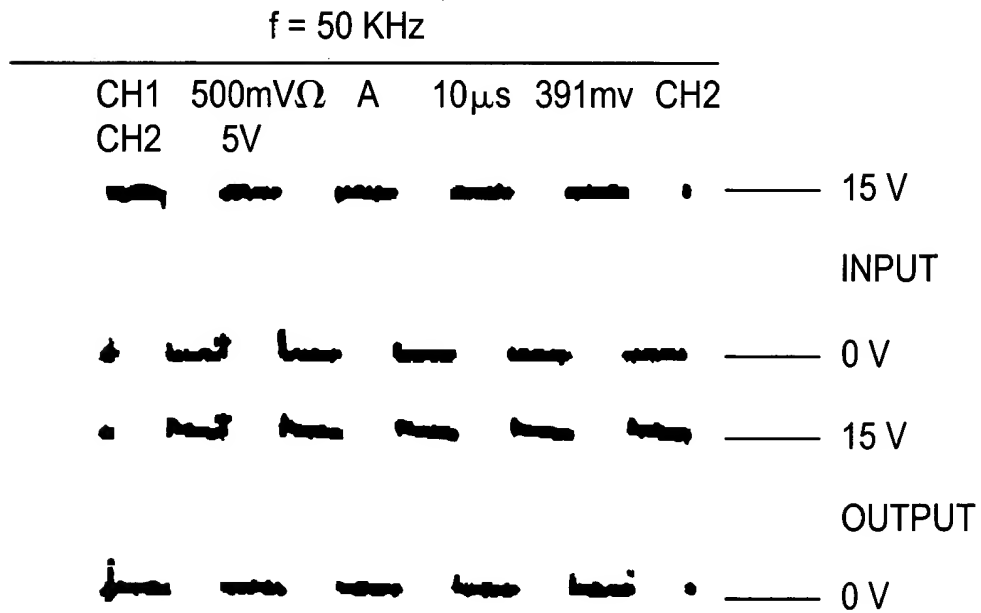




FIG. 35C

 $f = 500 \text{ KHz}$

CH1	500mV Ω	A	1 μ s	391mv	CH2
CH2	5V				

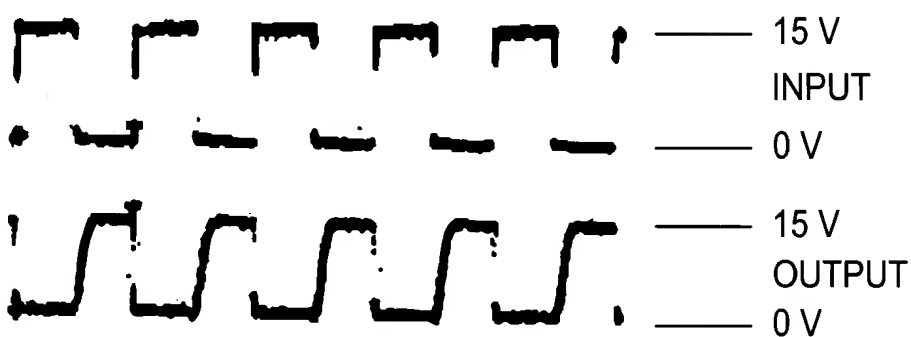


FIG. 35D

 $f = 1 \text{ MHz}$

CH1	500mV Ω	A	500 ns	391mn	CH2
CH2	5V				

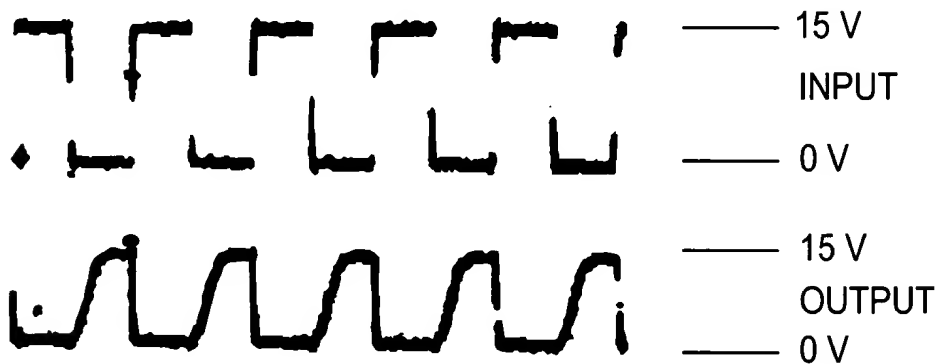


FIG. 36A

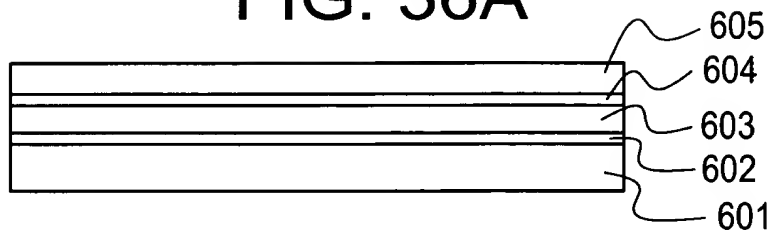


FIG. 36B

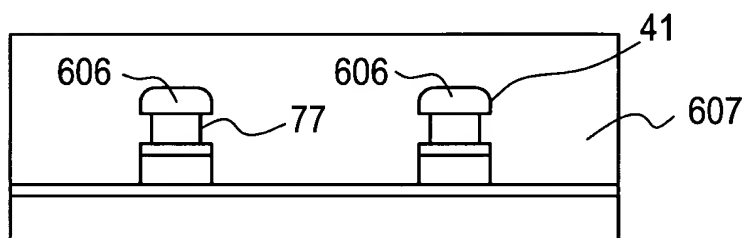


FIG. 36C

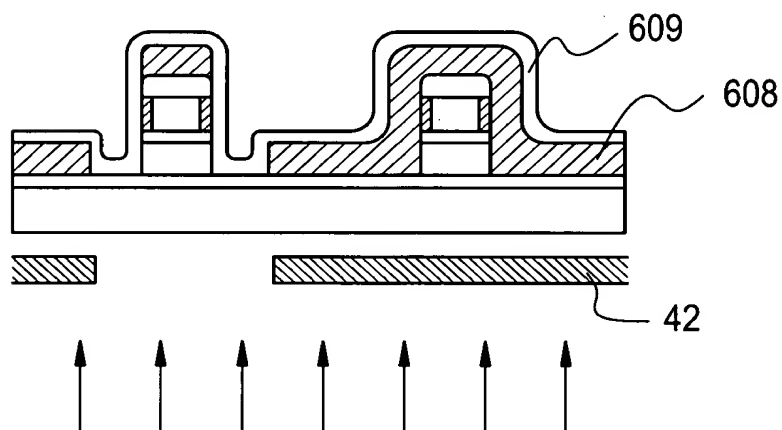


FIG. 36D

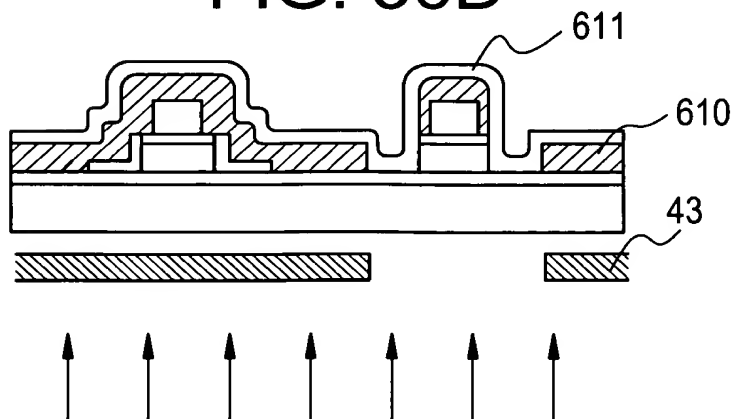


FIG. 36E

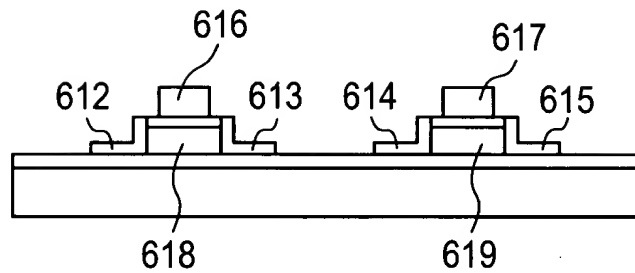


FIG. 36F

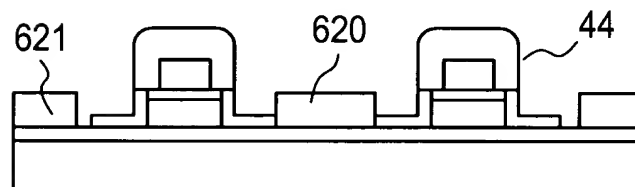


FIG. 36G

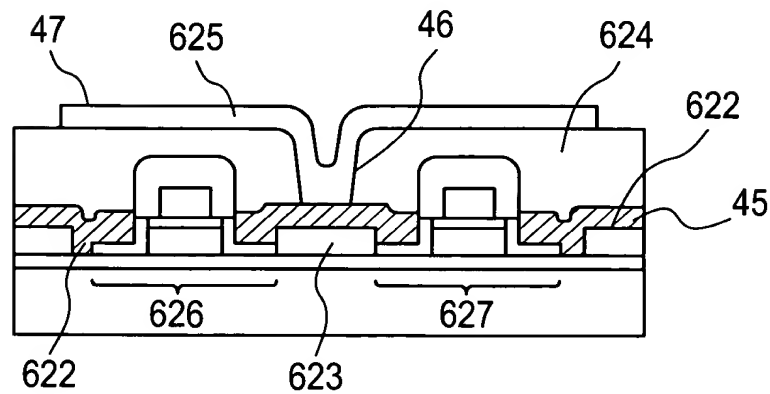


FIG. 37

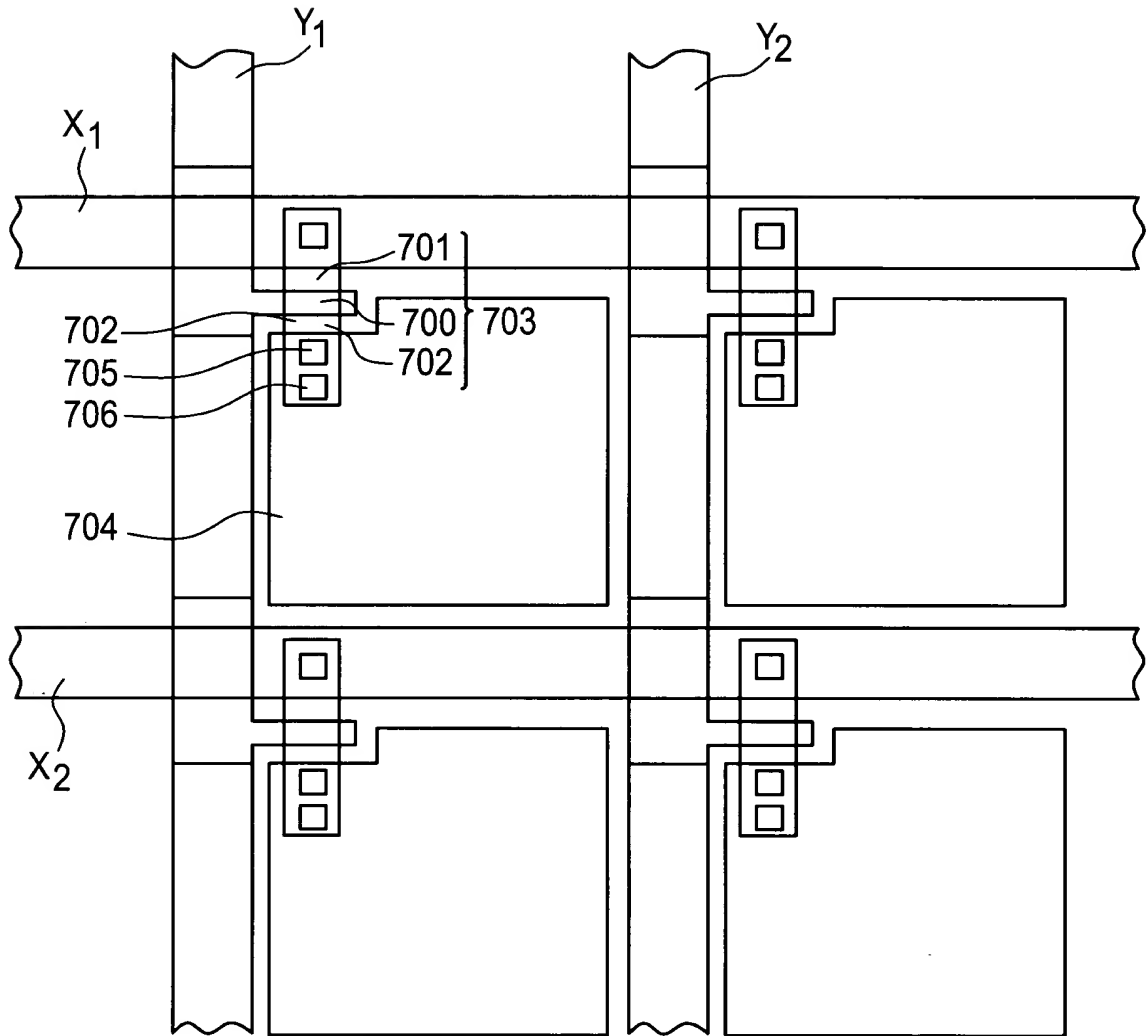


FIG. 38

